MENDELL SHINE OF THE CHIP

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 727 .--- Vol. XIX.]

LONDON, SATURDAY, JULY 28, 1849.

PRICE 6D.

TO ENGINEERS, MACHINISTS, AND OTHERS.
SALE WITSOUT RESERVE,
36, BROAD-STREET, BIRMINGHAM (opposite the British Association) R. GIMBLETT will SELL, BY AUCTION, on Monday

and Tuesday, the 30th and 31st days of July inst., on the premises, as above, the of the valuable MACHINERY, STEAM-ENGINES, WOLKING TOOLS, &c., bog to Mr. Thomas Craddock—consisting of the control of the superior High-Pressure STEAM-ENGINES, of 4-hors power each. E High and LOW-PRESSURE ENGINE, of 25-hors power.

aluable high-pressure condensing and expansive LOCOMOTIVE ENGINE, of 10-bower.

The Bower and Secretary of the Secretary

MINE SHARES FOR SALE.

MR. CLYMA is directed to submit to SALE, BY PUBLIC AUCTION, on Wednesday, the 1st day of August next, at Two o'clock in the afterneon, at the residence of H. S. Powell, Eaq., Upper Lennar Villa, in the berough of TRURO, wHARES in the following valuable and promising COPPER and TIN MINES—vis.:

TEN SHARES in WHEAL COMFORT, in the parish of Greenage THIRTT-FIVE SHARES in MINERAL COUNT, in the parish of St. Stophens.

TEN SHARES in SOUTH PINK, in the parish of St. Agnes.

Purther particulars may be obtained on application to the auctioneer, Truro.

SHEFFIELD, AND LINCOLNSHIRE RAILWAY.

TO RAILWAY CONTRACTORS, BUILDERS, FARMERS, AND ENGINEERS.

MR. G. O. BROWN begs to announce, that he has received instructions from Messrs, Waring and Sons, TO SELL, BY AUCTION, at the larbro' Tunnel, and Welham, near Retford, on Monday and Tussday, July the 30th and ist, and Wednesday, the lat August, 1849, and following days, the whole of their strengive and valuable grock or

RAILWAY PLANT AND ENGINES,

is: .—One 6-wheeled locomotive engine and tender, coupled on four leading wheels, in seellent working condition. One 4-wheeled compile diocomotive engine and tender, in scellent working condition. One 4-wheeled compile diocomotive engine and tender, in scellent working condition. One 10-horse power, high-pressure, horizontal engine, 2-inch cylinder, 23-inch stroke, wife cylinder boiler 21 feet long, and 24 feet diameter. One 10-horse power, high-pressure, horizontal engine, 9-i-inch cylinder, 25-inch stroke, cylinder boiler 174 feet long, and 24 feet diameter. One 10-horse power, high-pressure, orizontal engine, 3-inch cylinder boiler 21 feet long, and 24 feet diameter. One 16-horse power, high-pressure, horizontal engine, 30-inch stroke, with similar boiler 21 feet long, 44 feet diameter, with iron drums for working an incline, and to discher a clay and mortar mill. A double acting mortar mill, with four stones feet diameter, and metal pans 7 feet diameter. The above engines are all nearly new, and is excellent working condition. An excellent clay mill, and pug mill, divise by schinery worked by horse-power. All the bricks, timber, tiles, &c. comprised in the agine house, boiler sestings, and stacks. In the brick yard at the tunnel,

THREE HUNDRED THOUSAND NEW BRICKS,

MI THEET THOUSAND OLD BRICKS, AND FIVE THOUSAND PAN TILES.

At the Wetham Fard and Wharf.

ag: alse-like whole of the MATERIALS contained in TEN WORKMEN'S COTTAGES AND THESTY THOUSAND DLD BRICKS, AND FIVE THOUSAND PAN THES.

At the Wetham Yard and Wharf.

Altonia 1000 feet of oak, ash, and ofth timber, 3000 feet of Memel and red pine timber, 3000 feet of Jene 1000 feet o

wallon Monday and Taesday will comprise the TIMBER and other MATERIALS Welham Yard and Wharf. On Wednesday the HARNESS will be sold at the Welard, and the ENGINES, BRICKS, and COTTAGES, at the Tunnel.

The Sale each day to commence at Ten o'clock precisely.

TO', July 6, 1849.

ORTANT and EXTENSIVE SALE of HORSES, HARNESS, ENGINES, and RAIL
Y PLANT (on the Manchester, Sheffield, & Lincolnshire Railway) at GAINSBEO'.
O ENGINEERS, RAILWAY CONTRACTORS, FARMERS, BUILDERS, &C.
R. G. O. BROWN is honoured with instructions from Messra

General Ve and MAILWAY PLANT, HORSES, AND ENGINES:

One 8-horse, high-pressure, horizontal engine, fixed on a cast-iron frame, 11 feet is long (by Davy Brothers), cylinder 9 inches, stroke 30 inches, fiy-wheal 7 feet in Cylinder bolier 19 feet long, 3 feet diameter, and a tube in boller 19 feet long, as diameter. Two 6-horse high-pressure (Gough's patent) portsible engines, with nk. &c., on cast-iron badplate 7 feet 6 inches by 4 feet 6 inches, cylinder? I inches r., stroke 30 inches, bolier 7 feet long by 4 feet 4 inches diameter, fiy-wheel 7 feet r., fire box 2 feet 6 inches diameter, with 14 tubes, each 2 feet 2 inches long and es diameter, chimmey 18 feet high, 19 inches diameter. Tallway HORSES, IRTY SETS OF HARNESS.

EIGHT very good HARNESS, CAB, or COACH HORSES (the property of Mr. timat are thrown out of work by the discontinuance of coaches through the open-list railway.

the first are inform out or work by the account of the railway, with a pair of French horizontal stones, with shafting and driving a complete; would easily make a flour mill, a MORTAR MILL complete, with metal pan and a pair of upright stones 4 feet distance. Also a line crushing mill, with metal policy, shafting and driving gear, which tale easily be converted into a bone mill. Solution of the partiest of the parties of the partie

crabs. Three hearths of smulys tone companies, and rills, drifts, hammers, &c. 8UNDRY OLD SURAP IRON ARD METAL.

Its of double danged wheels, with spur and pinion gear for travelling cranes, as strong 12-inch wheels and axies, 4 feet I inch guage. Three wood cranes, s, block and chains complete, that will lift up to 9 ions. A quantity of two and we blocks, with ropes and chains to match, we HYDRAULIC PRESSES, expable of lifting 90 tons each, we HYDRAULIC PRESSES, capable of lifting 90 tons and the property also provided the property desperts, withsite for collieries; 5000 Mesnel and larch feet 9 inches long, by 10 inches, by 5 inches, and 9 inches, by 4½ inches; 150 agrows, 3 single and 3 double horse carts, 3 timber carriages, 12 three-wheeled

IN BANKRUPTCY.—TO COALMASTERS, IRONMASTERS, MINE ADVENTURERS, CAPITALISTS, AND OTHERS.

IMPORTANT SALE of the LEASEHOLD ESTATES of James Kyrke in COLLIERIES, and SHARES in COLLIERIES; also his INTEREST in ENGINES, MACHINERY, &c.

M. R. R. W. JOHNSON will SELL, BY AUCTION, at the Mayunsky Arms Hotel, in WREXHAM, on Thursday, the 9th day of August next, at the hour of Five o'clock in the afternoon precisely, by order oft ine assigness, in the following, or such other lots as shall be decided upon at the sale, and subject to such conditions as shall be then produced.

in the following, or such others in the afternoon precisely, by order of the assignees, such conditions as shall be then produced.

LOT I.—PENYCOED COLLIERY.

Extending to the reinerals under 90 acres of land, and situated in BRYMBO, near WREX-HAM. Also the absolute interest in the PLANT, consisting of a winding steam-engine. 6-house power, incomplete, rails, weighing machine, and colliery materials, implements and utensits at Fenycoed and Coestfelin.

Also the use of a day level, lately driven under the Coedyfelin estate, for draining the mines, and other privileges.

An inventory and valuation of the plant, use of the level and privileges, will be produced at the sale, and the purchaser of this tot is to take the same at such valuation. The Minera branch of the Shrewsbury and Chester Railway passes through this colliery, and for the use of the lessee a wharf and stiding have been constructed.

The colliery, by a great outlay, especially in making the level, has recently been brought into operation, and its resources are now fully developed. A spirited purchaser will possess all the means necessary to carry on an extensive and profitable trade at comparatively little cost, and no risk.

ratively little cost, and no risk.

LOT II.—PLASMAEN COLLIERY (NEAR THE FROOD).

Comprising about 3 acres of mineral land, in BRYMBO.—Also the absolute interest in the PLANT, consisting of large pumping engine, pumps, horse gins, and weighing machine and colliery implements, specified in an inventory, which will be produced at the sale.

This colliery is situate near to the railway, and fronts a good turnplike-road, leading from Wrexhau to Chester. It is comparatively free from water, and the engine is o sufficient power to drain adjoining lands, which might probably be taken upon advantageous terms. It is admirably situated to command a good local sale.

geous terms. It is admirably situated to command a good local sale.

LOT III.—BRYNMALLY COLLERY.

All those TWENTY-THREE (96ths) SHARES of Mr. Kyrke in the LEASEHOLD COLLERY and the MINES and MINERALS under 173 acres of land, or thereabouts, situate in BRYMBO and BROUGHTON, in the parish of WREXHAM, called the BRYNMALLY COLLIERY; and the FLANT, consisting of pits, very large pumping engine, winding engine, rails, and at the FLANT, consisting of pits, very large pumping engine, winding engine, rails, and specified in an inventory, which will be produced at the sale.

This capital and well-known colliery is distant 5 miles from Wrexham, 10 from the shipping port of Chester, and 26 from the Birkenhead Docks. A branch of the Shrewbury and Chester Railway has been brought to the pit's mouth, and by means of railway transit the facilities for the disposal—in distant as well as home markets—of the unlimited quantities of considerably extending from the mines, secure to the proprietors large returns for their capital. At present a good local sale is carried on, and there exists other capabilities for considerably extending the operations of the colliery, as well as for the erection of ironworks. The limestone district of Minera is connected by a branch railway with this colliery. The colliery is approached by excellent roads, which have been constructed at great expense.—This lot is also subject to the provisions of the articles of operatorship of the company.

perty is after the rate of 1-8th.

Lot IV.—STEDDFOD LIMEWORKS.

The THIRD PART, or SHARE, of Mr. Kyrke in the LEASE of the STEDDFOD LIME ROCKS, QUARRIES, and MINES, in MINERA, in the parish of WEEXHAM. There are in operation three lime kins and lime quarries adjacent thereto, carried on by the Steddfod Lime Company.—Also of the PLANT, consisting of three kilns, two cranes, barrels, rails, and implements, specified in an inventory, which will be produced at the sale. The kilns are situated near to the terminus of the Minera branch of the Shrewbury and Chester Railway, which might be made available for the carriage of lime to all parts of the country. The lime rocks, extending over a large track of land, are inexhaustible, and the lime is of the best quality.

An extensive trade is carried on by the company.

Another ONE-THIRD SHARE in these LIME WORKS will also be offered for sale at the same time.

Another ONE-THIRD SHARE in these LIMÉ WORKS will also be offered for sale at the same time.

LOT V.—CRAIGIOG LEAD MINE.

The FOURTH PART, or SHARE, of Mr. Kyrke in the machinery at the CRAIGIOG LEAD MINE, in the parish of LLANARMON, consisting of large pumping engine, pumps, castings, horse gins, and other mining implements, an inventory whereof will be produced at the sale.

The other THREE-FOURTH SHARES will also be offered for sale at the same time. Mr. John Griffiths, of Glanrason, Brymbo, will appoint persons to show the lots.

Further information may be obtained upon application to George Morgan, Esq., official assignee, Liverpool; william Rowe, Esq. mineral surveyor, Wersham; or Messrs. James and Owen, solicitors to the assignees, Wrexham, of whom full particulars, accompanied by maps and plans, and containing statements of the leases, rents, and royalties, may be obtained.

WEST OF SCOTLAND MALLEABLE, IRON-WORKS AND LANDS OF BRAIDHIRST AND MIL TO BE SOLD, BY PUBLIC ROUP, within the Royal Exclusionaday, the 29th day of August, 1849, at One o'clock in the after

29th day of August, 1849, at One o'clock in the an MALLEABLE IRON-WORKS.

LANDS OF BRAIDHIRST AND MILTON.

LANDS OF BRAIDHIRST AND MILTON.

These lands, situated in the parish of Dalziel, and county of Lanark, lie contiguous, and extend in all to 390 acres, or thereby, but from that fall to be deducted about 30 acres, set apart for the Maliesbie Iron Works, to be held under Feu; and about 20 acres occapied by the Village of Motherwell, also held under Feu; leaving about 340 acres to edisposed of, together with the Feu-Duties excipible from the portions found as aforesaid, which Feu-Duties amount to nearly 300M, per annum bounded on the south-west side by the turnpike road from Edinburgh to Hamilton, and on the north-east, north, and north-west sides by the River Calder; and boing intersected by the Wishaw and Coltness Railway, now forming part of the Caledonian Railway, easy access and communication is afforded to all parts of the kingdom.

of the Cassaudian and all styles of the Cassaudian and Cottars' Houses, with Out-Houses and Cottars' Houses, sufficient for a large farming establishment; and, having been for some years in the indicate of the proprietors undergoing improvements, the lands are in the best condition.

The lands contain Muraaus, and the purchaser will obtain right, not only to the minerals in the Uussued lands, but also to a large portion of these under the Feued Ground. The lands contain MINERALE, and the purchaser will obtain right, not only to the minerals in the Unfaued lands, but also to a large portion of those under the Feued Ground. The Coal has been wrought at a moderate depth for more than 12 months, for the supply of the Malleable Iron Works, and has been proved to be of excellent quality. It is proposed to reserve to the Proprietors of the Malleable Iron Works a right to Feu about ten acres of additional ground, adjoining their works, at the rate of 6t per acre, (exclusive of Minerals, however), provided the option is exceised within a specified period. Upset price 35,000t. For further particulars, application may be made to Laurence Hill, jun., at the works at Motherwell; James Anderson, at the company's office, 38, St. Vincent-street; or to Moncrieft, Paterson, and Forbes, 48, West George-street, Glasgow, in whose hands are the title-deeds and articles of roup, and plans of the property.

EXTENSIVE IRON-WORKS FOR SALE,
BY PRIVATE BARGAIN,
THE BLAIR IRON-WORKS,

THE BLAIR IRON-WORKS,

belonging to the Ayrahire Iron Company, with the whole MINERAL FIELDS hold by

the said company, under favourable issues, including the MALEABLE IRON-WORKS,

inmediately adjoining, so far as erected—all as particularly described in former adver
tements.—There is a large STOCK of IRON-TONE on the ground, which may be had

a valuation.

For further particulars apply to Mr. Biggart at the

MINES IN FLINTSHIRE.—TO BE SOLD, BY PRIVATE

MARES IN FILINTSHIRE.—TO BE SOLD, BY PRIVATE LEAST, by order of the trustees of the late William Williamson, of Greenfield, Eq., SHARES in the following valuable and well-known MINES, in the county of Flintwire, Talargoch, Hendre, Talaers, Nant, and Parys Mine, near Halkin.

Most of the above mines are so celebrated, and have been so long established, that it is unnecessary to add a word in support of their claim to public attention.

ON SALE also, by PRIVATE TREATY, a MOIETT of the COAL and MINERALS ander about 28 acress of land, in Groespyr, in the parish of Llanasa, now in the occupation of — Jones, Eq.

For information and particulars apply to Mr. Williamson, solicitor, Pendre, Holywell; find Williamson, solicitor, Well-street, Holywell; or to Mr. E. H. Williamson, Greenfield, near Holywell, Flintshire.

TO BE SOLD, —FOUR-SIXTEENTHS in the ROYAL GEORGE LEAD MINES, situate in the parishes of HOLVWELL and WHIT-FORD, within 14 mile of Holywell. The mines are held under the Most Noble the Marquis of Westminster, at a royalty of 20s. per ton; the present workings are free from water, and the present extent is 17 acres, with an additional 30 acres, if required—the present extent is 18 acres, with an additional 30 acres, if required—the present extent for freat Cith Mellin, where thousands of tons of very rich gre have been raised. The advertises would not dispose of the above shares was it not for want of each to shirt the new pit. There has been two lodes of fine ore discovered, and he is anxious to sink a new pit, as it is supposed there are rich lodes of ore very near the surface. For terms and further particulars apply to William Ramsden, mine agent and surveys Greenfield, Holywell, Flintshire.

VALUABLE MINE SHARES.—FOR SALE, BY PRIVATE CONTRACT, THIRTY-FIVE (1624ths) SHARES in that well-known and excelent TIN MINE, BALLESWIDDEN, in ST. JUST, near Pensance, Cornwall, in three lots, of 20, 10, and 5 shares.—This mine was never in a more efficient state of operation than at present. Large dividends of profits have hitherto been shared among the adventurers, and the present prospects fully justify the expectation of realising large and continued remunerating profits for the future.

Apply to Mr. J. B. Merfield, mine and sharebroker, anctioneer, and general agent, Clarence-street, Pensance.—Dated July 16, 1849.

Clarence-street, Pensance.—Dated July 16, 1849.

TO BE SOLD,—SEVERAL HUNDRED TONS (and more may be had) of BLACK HEMATITE ORE, averaging from 60 to 70 per cent.—to be delivered at Watchett, in the Bristol Channel.—Address, for particulars, Mr. Charles Dyer, Luxborough, Somerset.

TO MINERS AND OTHERS.—TO BE SOLD, ONE HALF SHARE, or INTEREST, in a valuable PATENT for SMELTING COPPER and OTHER ORES, including a cheap process for extracting the precious metals therefrom, whereby an extra profit of from £30 to £40 per ton may be obtained over the present system of smelting copper overs.—For particulars apply by letter, addressed to "B. M., 14, Flab-street-hill, City.

TO THE IRON TRADE.—A PERSON of great practical experience in the Management of Iron-works, in every department of the OPEN to an ENGAGEMENT. He is fully competent to take the entire me of a work for smelting and manufacturing from, including the mineral, engine office departments, and can furnish the highest testimonials as to ability and—Address Wm. Ponsonby, Post-office, Bristol.

NO GENTLEMEN OF MODERATE CAPITAL.-A most favourable opportunity now offers itself for the INVESTMENT of from SIX to EIGHT THOUSAND POUNDS (to be subscribed by one or more parties) in the PURCHASE and WORKING of a first-rate SILVER-LEAD MINE, upon the Cost-book Principle. The mine is situated in NORTH WALES, within 12 miles (over a good temptic road) from a seaport; the ore is exceedin. ly rich, and very abundant, and the mife, which is now in the hands of the proprietor of the soil, promises to be one of the most profitable in the Principality. A return of at least 20 per cent. can be guaranteed the very firsy year of the working. The fullest information will be afforded on application (by principals only), in the first instance by letter, to Mr. T. Cannon, 4, Durham-st., Vansans.

CLASS TRADE.—WANTED, a PARTNER, in England, to SECURE a PATENT RIGHT for NOTABLE IMPROVEMENTS in the MAKING GLASS.—Apply (post-paid) to Mr. Eschrech, Philipperille, Belgium.

SLATE QUARRY.—TO BE SOLD, a FEW SHARES in Address "B V V " A Control of the Contr

ENGINE FOR SALE, BY PRIVATE CONTRACT—A 40inch cylinder ENGINE, with boller, about 10 tons, in excellent condition; it is
ituated within 2 miles of a sea-port.—Also FOUR HUNDRED TONS of PITWORK, of
sarious sizes, and several CAPSTANS, SHEARS, ROPES, and CHAINS.
For further particulars apply to Mr. Henry Burgess, Camborne, Cornwall.

PATENTEES and INVENTORS desirous of SELLING the WHOLE, or SHARES, of their PATENTS or INVENTIONS, may be introduced to respectable capitalists, and rely upon an equitable arrangement being made between them, by Mr. EDWARD PALMER, auctioneer, estate, and patent agent, No. 20, Change-alley, Cornhill.

MINING PROPERTY.—Mr. JAMES HERRON, MINE AGENT, 23, OLEMENTS-LANE, LOMBARD-STREET, has received instructions to DISPOSE of SHARES in FIRST CLASS MINES, paying regular dividends, and yielding to the purchaser from 17½ to 25 per cent. upon his outlay. He is also in a position to transact business in the following—vis.; East Wheal Rose, Great Devon Consols, West Seton, South Wheal Frances, Troviskey, South Toigus, Traiwny, Bedfords, Myann, Trethellan, Conductow, St. John del Rey, Guadalcanal, Linares, and Santiago Luc

MR. HENRY VATCHER, MINING AND RAILWAY SHAREBROKER, EXETER.
Competent and experienced AGENTS provided to INSPECT MINES, at the shortest notice

MR. EVAN HOPKINS, C.E., F.G.S., CONSULTING
ENGINEER AND INSPECTOR OF MINES,
May be CONSULTED DAILY (by letters) on all subjects connected with MINING
BARRINGTON-ROAD, BRIXTON.

MR. C. S. RICHARDSON begs to announce that he has REMOVED his OFFICES from Whitefriars-street, Fleet-street, to 15, OLD BROAD-STREET, CITY.

USTRALIAN MINING COMPANY, 1, Adelaide-place, A USTRALIAN MINING COMPANY, 1, Adelaide - place
Jaby, 1849. —The board of directors hereby give Notice, that, agreeably to the
provisions of the Deed of Settlement, the FOURTH ANNUAL GENERAL MEETIN
of the shareholders in this company will be HELD at this office on Manday, the Soir Ju
inst, at Twelve o'clock precisely, to reselve the report, accounts, and belance sheet the
past year—to elect three directors in lieu of three who go out by rotation—and to flug the vacancies occasioned by the resignation of John Capper, Enq. and the decesses
Hannel de Castro, Eq.—to fix the remuneration of the present auditors for the payear. At which meeting also smotion will be submitted for a modification of the presen
manner of admitting voice by praxy at general meetings.

By order of the board, (Signed)
J. A. JOSEPH, Secretar

BOLANOS MINING COMPANY.—A SPECIAL GENE-BAL COURT of proprietors of the above-named company will be HELDat No. 2 Duke-strest, Adelphi, on Wednesday, 1st August next, at One o'clock, to confirm resolu-tions for raising an additional capital, by the issue of 14,000 preferential shares, at the price raising an additional capital, by the issue of 14,000 preferential shares, at the p share. Under these resolutions the holders of such preferential shares will be receive back the sum of 35 in respect of each such share, before any pays on account of the shares now existing, and after such repayment, the said charms will take qualk with the availing shares of the company.

LYNVI IRON COMPANY.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of this company will be HELD at their offices, No. 15, old Jewry Chambers, on Thursday, the 3d of August next, at Twelve c'olock precisely, for the purpose of electing a director. London, July 23, 1849.

By order of the board,

F. W. GIBBON, Salvin and Company of the country of

London, July 23, 1849. By order of the board, F. W. GIBBON, Sec. PEMBROKESHIRE IRON AND COAL COMPANY—
The board of directors do heraby givb Notice, that an EXTRAORDINARY GENE RAL MEETING of the shareholders of the company will be RELD on Wednesday, the stay of August, 1849, at half-past One o'clock precisely, at the office of the company igreatam Rooms, 18, Basinghall-street, in the city of London, for the surpose of confirming the resolution passed at the Extraordinary General Meeting held at the company office on the 18th day of July inst., whereby it was unanimously resolved, that the 4s clause of the Deed of Settlem ont, which provides "That the business affairs and concern of the company shall at all times be under the control and management of on tiess that 5 nor more than 10 directors," be absently by substituting therefor the following word-viz. "That the business affairs and concerns of the company shall at all times be under the control and management of not less than four and not more than als directors.

Stigmed J. S. CHARLTON, Secretary pro teaching the control and management of the company shall at the control and management of the company shall at all times be under the control and management of the company shall at all times be under the control and management of the company shall at all times to the control and the control and

NOTICE—WENHAM LAKE ICE SUPERSEDED!

(BY ROYAL LETTERS PATENT)

MASTERS AND CO.'S PATENT SHERRY COBBLER

PREESING AND COLING JUG.

By this Patent Jug, spring water is empealed into the purest ice, on the table are sidebeard, for Sherry Cobblers, &c., in FIVE MINUTES, at the cast of Twopence. The push
lie is respectfully invited to see the process of this extraordinary and useful invention, as
actually BOILING WATER CAN BE CONVERTED INTO ICE without the aid of ice!
Patenties of the Freezing Machines (by which 25 to 100 quarts of Desort Ice can be
made in a fow minutes, and Rock Ice at the same time, and Wine cooled), Cooling Decaniers, Refrigerators, Butter Coolers, and Percolators. By this last-mentioned article a
bottle of wine, &c., can be cooled in a minute without ise, for one halfpenny.
MASTERS & CO.'S THOROVED APPARATUS FOR MARKING FORE SODA WATER, LEMONADE, NECTAR, and all ZERATED WATERS.—This apparatus needed only
to be seen to be appreciated. Price 30s.—MASTERS & CO., PATENTEES.

294, REGENT-STREET, and 7, MANSION-HOUSE-STREET, CITY.—Also,

NY ROYAL LETTERS PATENT.

MASTERS & CO. S PATENT ROTARY BUFF RNIFE CLEANERS, which while cean nd polish, equal to new, twelve knives in one minute, without noise or dust. The various processes shown at Masters and Co. 3 Show Moons, 294, Regent-street, and Massion-boxes-street, City, and may also be seen at the Royal Botaic, Zoological, and olosseum, Regent-spark, and the Polytechnic Institution, Regent-street.

284, HEGRNT-STREET, AND 7, MANSION-HOUSE-STREET, CITY.

NEUBER'S SCENTED LIQUID GLUE, being perfectly transparent, is admirably ADAPTED for LADIES' FANOY WORK, &c.

In bottles, at is. each.

NEUBER'S IMPROVED LIQUID GLUE.

NEUBER'S WASHABLE WATER VARNISH, for PAPER HANGING, &c., is without mell, and requires no preparation of size.—Bost full bodied, 12s. per gallon; flat, ?s.; and in bottles at is. and is. 6d.

NEUBER'S IMPROVED SUPERIOR WHITE PAPER VARNISH, for MAPS, PLANS, &c.—14s. per gallon, and in bottles is. each.

NEUBER'S IMPROVED SUPERIOR WHITE PAPER VARNISH, for MAPS, PLANS, c.—14s. per gallon, and in bottles is. each.

NEUBER'S TRANSPARENT FRENCH POLISH, 25s. p. gal., and in bottles is. each.

Nagtha Polish, 14s. per gallon, 25 bat Dark Oak Varnish, 10s.; Pale, 15s. per gallon.

Nagtha Polish, 14s. per gallon, 25 bat Dark Cartiage ditto, 12s.; Pale, 14s. per ditto.

Wholesale at the Patente's,

arnish and Japan Manufacturer, 549, New Oxford-street, London.

Samples forwarded on receipt of 18 postage stamps.

Wholesale Agents—Low and Son, perfumers, 330, Strand; Hopwood and Parke, Fishreet-hill, London; P. Walker and Co., Jamuica-street, Glasgow, and 1, Duke-street, edit); Robinson, Palmer, and Palmer, operative chemists, Colmore-row, Birmingham;

Sims, Batt; F. Myors, Preston.

N.B.—Respectable local agents are required for the provinces.

Thouse Painting Without Sweet or the provinces.

West oil of Turpentine, as certified by Dr. Serny. It goes further, dries quicker, lasts longer, adds to the brilliancy of colours, and prevents the many ill effects too often consequent in the use of the old turpentine. Sold in bottles from 6d. to 8s.; per gallon, 6s.—Bottles, packages, and booking, on one or two gallons, charged is, 6d. per gallon; on three or more gallons, is. per gallon extra THOMAS BARKER, at the Post-office orders to be made payable to

Sweet Oil of Turpentine Company's Depot, Bream's-buildings, Chancery-lane.

E DEN'S FAMILY MEDICINES.—EDEN'S HOOPING-DEN'S FAMILY MEDICINES.—EDEN'S HOUFTING—
COUGH MIXTURE has attained universal celebrity as a sure and efficacious remedy for coughs, colds, asthma, influenza, pulmonary consumption, and all affections of
the throat, chest, and lungs; a positive cure for hooping-cough, and all diseases to which
children are subject.—EDEN'S PILLS are acknowledged by all to be the safest and best
medicines in the world for the cure of billious and nervous complaints, gout, rheumatism,
bowel complaints, consumption, and general debility.—EDEN'S PAMILY
MEDICINES are prepared only, and sold wholesale, by Eden and Co., 2, Jewin Crescent,
London, and retail by most respectable chemists and patent medicine venders in tign
United Kingdom, in bottles, boxes, and pots, at 1s. 1]d., 2s. 3d. and 4s. 6d. each.

United Kingriom, in bottles, boxes, and pots, at 1s. 14d., 2s. 9d. and 4s. 6d. each. Monthly of the Carlotte o

We real no hesitation in saying, that there is no member of society by whom the book will not be found useful—whether such person hold the relation of a parent, preceptor, or a clergyman.—Sus, Evening Paper.

J. L. Curtis, On Mankood, and the Causes of its Premature Decline; with Plain Directions for its Perfect Restoration.—[Strange, Paternoster-row.]—This is a book replete with valuable advice and information. It developes the fearful shoals on which a large propertion of human happiness is wrecked, and furnishes a chart by which they may be avoided and escaped. Fortunate for a country would it be, did its youth put into practice the philanthropic and scientific maxims here laid down. One cause of matrimonial misery might then be banished from our land, and the race of the enervate be succeeded by a renewal of the hardy vigorous spirits of the olden time.—Unsted Ringdom Magazine. Mankoed: by J. L. Curtis and Co.—Their long experience and reputation in the treatment of these painful diseases is the patient's guarantee, and well deserves for the work is immense circulation.—Srv..

Mankoed: a medical work.—To the gay and thoughtless we trust this little work will serve as a beacon to warm them of the danger attendant upon the too rash indulgence of their passions—whils to some it may serve as a monitor in the hour of temptation, and is the afficiency as a uncertainty of the danger attendant upon the too rash indulgence of their passions—whils to some it may serve as a monitor in the hour of temptation, and is the afficiency as a uncertainty of the content of the passions—whils to some it may serve as a monitor in the hour of temptation, and is the afficiency as a uncertainty of the olden the correct properties.

Pablished by the author, and may be had at his residence; sold also by Strange, 21, Paternoster-row, London; if leywood, Oldham-street, Manchester; Howell, 16, Churchtreet, Liverpool; Robinson, 11, Greenside-street, Edinburgh; Campbell, chemist, 146, Anyle-street, Glasgow; Berry and Co., Capel-street, Du

Illustrated by 36 Anatomical Coloured Engravings on Steel, On Physical Disqualificatic Generative Incapacity, and Impediments to Marriage. New Edition, enlarged to pages.—Just published, price 2s. 61s., or by post, direct from the establishment, 5s.

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THE SILENT FRIEND: a medical work, on the infirmities and decay of the generative system, from excessive induigence, infection, and the inordinate use of mercury, with remarks on marriage, and the means of obviating certain disquaitfections, litustrated by 26 coloured engravings. By R. & L. PERRY & Co., consulting surgeons, 19, Bernera-street, Oxford-street, London. Published by the authors: sold by Strange, 21, Paternoster-70": Hannay, 53, and Sanger, 150, Oxford-street, Starie, 23, Titchborne-8-verteet, Haymarket: and Gordon 146, Leadenhall-street.

PARY TRE First riceats of the anatomy and physiology of the reproductive organs, and a lilustrated by six coloured engravings.—PARY TRE First riceats of the anatomy and physiology of the reproductive organs, and a lilustrated by six coloured engravings.—PARY TRE First riceats of the anatomy and physiology of the reproductive organs, and a lilustrated by six coloured engravings.—PARY TRE First is incapacity; it is illustrated by three explanatory engravings.—PARY TRE Thin treats of the diseases resulting from excessive induigence, and their lamentable effects on the system, productive organs, and contains explicit directions for their treatment. This section is illustrated by 17 coloured engravings.—PARY TRE FORETH contains a prescription for the prevention of disease by a simple application, by which the danger of infection is obviated. This important part of the work should not escape the reader's notice.—PARY TRE First is devoted to the consideration of marriage and its duties. The causes of unproductive unions are also considered, and the whole subject critically and philosophically inquired into.

THE CORDIAL BALM OF SYRIACUM is exclusively employed in treating nervous and sexual debility, importence, &c., ils. and 38. per bottle.—THE CONGENTRATED DETERRIYE PURIFYING SFECIF

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diminish and enfeeble the natural feelings, and exhaust the vital energies of Manhood: with Practical Observations on the Treatment of Kervous Deblity, whether arising from these sauses, close study, or the influence of tropical climates; lecal and constitutional weakness, sphills, stricture, and all fleeness and derangements resulting from indiscretion; with 60 coloured engravings. Illustrating the Anatomy, Physiology, and Diseases of the Reproductive Organs, explaining their various structures, uses, and functions, and the injuries that are produced in them by robitary habits, excesses, and infections, and the injuries that are produced in them by robitary habits, excesses, and infections, and the injuries that are produced in them by robitary habits, excesses, and infections.

By 6 AMUEL LA'MERT, M.D. 37, BERFGEN-SQUARE, LOWBON.

Dectar of Medicine, Matriculated Member of the University of Edinburgh, Licentiate of Agetheenries' Hall, London, Honorary Member of the London Hospital Medical Society, &c.

"The author of this singular artifuse or and work is a logally qualified medical man, who has evidently had considerable experiences in the treatment of the various disorders, arising from the foliase and frailities of early indiscretion. The engravings are an invaluable addition, by demonstrating the consequences of excesses, which must act as a satisfactorily regalied to, last admit of no appeal, even to the most confidential friend."—Eve.

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SEA, FIRE, LIFE ASSURANCE SOCIETY, less the benefit of the policy, although his interest shall have terminated before the death

PORT OF LONDON ASSURANCE COMPANY,

Incorporated pursuant to Act of Parliament, April 29, 1847.

ed to Lloyd's by Vots of the Committee, January 18, 1848.—Amalgar
to Resolutions, dated February 5, 1849.

Admitted to Lloyd's by Vots of the Committee, January 18, 1848.—Amalgamated pursuan to Resolutions, dated February 5, 1849.

INCORPORATED BY ACT OF PARLIAMENT,
Capital £100,000.

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Superintendent of this company, in lieu of being fixed at some purely nominal amount, having no reference, and bearing no relation to the proportion paid up, consists (with powers of extension reserved to the proprietors, under the lêth clause of the Dead of Settlement, at a general meeting) of £100,000, dvided into One Pound Shares, all paid, transferrable at the pleasure of the holder, and bearing a guaranteed interest of Five per Cept. per Annum, receivable half-yearly, irrespective of further dividends according from the sources of profit opened by the proprietary branches of the business. By this arrangement, while the shareholder is exempted from liability to indefinite contributions at uncertain intervals, the assured is secured the corresponding benefit of ascertained available funds, in no way contingent on the necessarily doubtful nature of "calls," which experience has always shown, are least likely to be responded to when most required.

The Rates on Fire Risks have been based on statistical calculations, prepared with the

FIRE DEPARTMENT. FIRE DEPARTMENT.

The Rates on Fire Risks have been based on statistical calculations, prepared with the greatest skill and accuracy, which, warrant the directors in making such alterations with respect to houses brought within scope of the enactments of the Building Act (7 and 8 Vic., cap. 84), for which no office hitherto in existence bus made the slightest abatement in return for the diminution of hazard, as afford perfect security to the public, at a considerable reduction in point of cost to the assured.

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ous goods deposited.

CLASS III.—ANNUAL PREMIUM OF (not exceeding) TWO SHILLINGS PER CENT. Buildings of brick and stone, covered with state, tiles, or metal, wherein no hazardons trades are carried on, nor hazardons goods deposited, not being built in conformity with the Building Act, 7 and 8 Vic., cap. 84, but otherwise approved upon survey.

EXTRA HAZARDS altogether excluded, and returns of profits to the assured made

LIFE DEPARTMENT. ASSURANCE ON LIVES, ENDOWMENTS, AND REVERSIONS, AND PUBLIC GUARANTEE, UNITED WITH LIFE ASSURANCE,

Established upon the principle of Missal Life Assurance, the whole of the profits being divisible amongst the assured.

ALL LIFE POLICIES INDISPITIABLE, AND GRANTED FREE OF STAMP DUTY TO THE ASSURED FREE OF STAMP DUTY TO THE ASSURED PROTECTED BY A GUARANTEE FUND OF £100,000.

THE ASSURED PROTECTED BY A GUARANTEE FUND OF £100,000.

The life branch of this society is established by persons connected with that large and influential body of individuals—the mining interests of England and Walcs—a class of upwards of £,000,000, and whose annual returns of capital approximate to £46,000,000 sterling. As life assurance has been extended, the various classes of the community have embraced the advantages of establishments of their own, adapted to the peculiar circumstances of those portions of society with which they are respectively connected. It is, however, remarkable that, while in the metropolis alone the life assurance companies of all classes and descriptions exceed 100 in number, with engagements computed at upwards of £115,00,000 sterling, these companies do not comprise one emanating from the mining classes, or embracing those interests which have done more than any other to deredope the resources, and promote the extension, of the community possesses no assurance association, immediately identified with its peculiar interests, it is manifest that an extensive system of life assurance remains yet to be accomplished. The individuals directly interested by not fewer than time assurance companies; and legal professions, now represented by not fewer than time assurance companies; and it is calculated that the proprietors, agents, and those immediately dening proparty in this kingdom, are more numerous and not less wealthy than the members of the elerical, medical, and legal professions, now represented by not fewer than time assurance companies; and it is calculated that the proprietors, agents, and those immediately of indirectly interested, represent an amount of population, and of Rozel property, nearly equal to that of all the other classes of the kingdom having representative assurance institutions.

This extensive and wealthly interests is, therefore, unquestionably adequate to sustain a prosperous assurance society, adapted for securing the advantages of life assurance to the num

" THE SEA, FIRE, LIFE ASSURANCE SOCIETY"

"THE SEA, FIRE, LIFE ASSURANCE SOCIETY"

has been established, not only for the immediate benefit of these interests, but for those of all other classes, whether in the medical, legal, or clerical professions, the army, navy, or any other station of life, on equal terms, and will afford the utmost advantage that can be derived from life assurance.

Mutual assurance is the best mode by which this object can be attained; it is distinguished from the proprietary principle in distributing the surplus profit rateably and equally among the assurance will be supplus to the profit in the surplus profit rateably and equally among the assurance will be supplus profit rateably and equally among the assurance as permanent body, among whom a considerable portion of the profit is divided.

The experience of nearly a century has demonstrated that mutual societies are not only perfectly safe, but, when prudently managed, yield large profits to policy holders, without the sid of a permanent subscribed capital.

Mr. de Morgan, one of the most competent authorities on life assurance, says:—"A mutual society is one in which the members stand equally related to each other, and constitute the company themselves. In such a company no capital is, generally speaking, raised at the outset, except, perhaps, a small sum for necessary expenses at sarting."

And again: "They have no capital except what arises from their own accumulations, and each member is a guarantes to the rest for the fulfilment of all engagements. The risk, however, even at the commencement, is not groat in character, and is small in amount; and the quantity of risk diminishes so much faster than the amount increases, that it may be arely said there is nothing, in the commercial world approaching, even remotely, to the security of a well established and pridently managed mutual assurance society." As, however, there may be a portion of the public not yet fully convinced of the complete security adorded by purely mutual life companies, the life assurance department of t

ALL LIFE POLICIES INDISPUTABLE.

The chief obstacle to the progress of life assurance is, that an error in a policy, which may have arisen from mistake, misapprehension, or unintentional neglect on the part of the assured, or of the office, has the effect of vitiating the policy.

One of the most important objects of this acciety is the removal of the risks which have hitherto attended the rights of policy holders by insuring the certain payment of every life policy as it becomes a claim.

All questions as to age, health, habits, employment, residence, health of relatives, and other matters deserving of inquiry prior to the contract being granted, are hold as finally settled when the assured received his policy.

Every policy issued by the life department of this society will be absolutely indisputable; and the amount assured will be paid within three calendar months after proof of the death of the assured; and a clause has been inserted in the policy deed prohibiting the society from disputing any life pelicy which shall have been granted—a—condition which renders the policies of this society more than ordinarily valuable as family provisions, or as negotiable instruments of security in pecuniary or loan transactions.

THE CONSTITUTION OF THE SOCIETY.

THE CONSTITUTION OF THE SECULE 11.

The society is established by Act of Parliament.
The funds of the society are readed in trustoes.
The affairs of the society are managed by a board of directors elected by the shareholders.
The accounts of the society are addied annually, by not less than two auditors.
A general meeting of the members will be held annually, to receive the report on the affairs of the society.
The assured are protected by an ample paid up capital.
The whole of the profits are divided amongst the assured.
At the end of December, 1853, being five years—and afterwards annually—the assets of the life assurance department will be computed, the profits ascertained and apportioned, and a sufficient sum reserved to meet all the contingencies of succeeding years; the whole of the profits will be divided rateably among the members assured for the whole term of life, after payment of the second premium, which will entitle them to participate in proadded to the policy, or be applied in reduction of the premiums paid, and such sum either to be assured.

THE BUSINESS OF THE LIFE DEPARTMENT WILL EMBLACE

Assurances on single lives, on joint lives, and on survivorships.

Lives not considered perfectly admissible on the ordinary terms assured at rates of premiums corresponding with the exits risk.

Assurances on the lives of persons about to proceed to foreign climates. Separate tables framed for those who do not desire to participate in the profits. Annulries for lives and limited terms, immediate and on survivorship. Deferred annulties to commence at specified age.

Tables to secure a deterred annulty of 2 10 and upwards during life. Endowments of every description to be granted.

Premiums payable by annual, half-yearly, or quartarly payments; or by a single payment; or by payments for a certain number of years, or by an increasing or decreasing scale of premiums.

One-half of the premiums may remain unpaid at simple interest for the first 7 years, and may be then paid off, or remain a dabt upon the policy, at the option of the assured. And all other second and gracificable provisions contingent on human like, and for terms certain.

RESIDENCE.—The assured will be allowed to reside in any part of Europe, in Australiania, New Zealand, Caneda, Cape of Good Hope, Madeira, and in any part of the world distant more shan 35 degrees from the Equator.

Whole world policies are granted to persons assuring on the lives of others as payment of an extra yearniam.

INTEREST IN POLICIES.—A party having had an interest for the life, after payment of the second premium, which will onlittle them to participate in proportion to the amount and number of the premiums paid, and such sum either to be added to the policy, or be applied in reduction of the premium, or the value paid to the

an extra premium.

INTEREST IN POLICIES.—A party having had an interest in the life assured shall not

of the assured.

Researcd. Policias.—If an assurer be unable to pay the premiums, he will be allowed, or giving due notice, to charge the amount thereof upon his policy, to the extent of its value, thereby preserving the assurence during a period of difficulty, and so preventing the assurence during a period of difficulty, and so preventing the asserting of the provision he had made for his sanity. This feature is peculiar to this office, and affuris a most important advantage to policy holders, by thus avoiding the forfeiture of a valuable policy.

Death by duelling or suicide will not invalidate the policies of this society, unless they be the property of the deceased at the time of his death, in which case the society will repay to his representatives all the premiums which shall have been received.

ALL POLICIES INDISPUTABLE AND ISSUED FIRE OF STAMP DUITY TO THE ASSURED.—This society, considering the charge for policy stamps as a fax upon prudence, and a great impediment to the full development of file assurance, have determined to relieve assurers at once of this burden, and charge it as a working expense upon the office.—Noadmission nor entrance fees are required, norts any charge made for the policy.

Matileal practitioners paid by the office for every case referred to them for their pro-

GUARANTEE DEPARTMENT.

Sesional opinion.

GUARANTEE DEPARTMENT.

This society embraces the business of public guarantee, united with assurance on life, for the fidelity of persons in situations of confidence and trust, and providing against losses arising through dishonesty or salary, to account in lieu of the uncertain protection afforded by the system of private guarantee.

The principle of public guarantees has proved, from experience, so successful in its application to the employers so guaranteed, and the employed so assured, that the Lord Commissionores of her Majesty's Treasury have, by a special minute, empowered the heads of the Government department to receive the guarantee of a public company for those appointed to offices of trust and responsibility under the Crown.

The directors, in order to provide against the numerous cases of hardship and constant uncertainty to which private bondsmen are exposed, have prepared tables expressly for this company, to grant policies for fidelity of trust, combined with policies of assurance on life, efected anunities, and endowments to persons of approved character, about to be appointed to, or holding situations in, Government effices, banks, mercantile hourse, ruble institutions, railway, insurance companies, and all other situations, where security against fraud or failure to account is required.

The value of this union of the two principles, combined with life assurance, the surety policies hold out to him, who with moral integrity unites the possession of an eligible life the solid advantages of the per centage he is annually paying being no longer an uproductive, although an unavoidable tax upon his carnings, all henceft from which expires with the tenuve of his present employment, and ceases with his life. But, on the contrary, the union of life assurance with guarantee secures to his family in the latter case, and to himself, on the exession of occupation arising from any cause not produced by want of honesty on his own paper, a full, direct, and immediate participation in the

Prospectuses, and every further information, may be obtained from the actuary, at the flow of the society, No. 31, Cornhill, London; or at the offices of the agents to the accept, —Local agencies will be formed in Welles, Cornwall, and in the principal towns of

ciety.—Local agencies will be formed in Wales, Cornwall, and in the principal towns of the United Kingdom.

Persons desirous of being appointed agents, are requested to apply personally, or by letter, to the managing director,

AUG. COLLINGRIDGE.

MAGNETIC BORING MACHINE.—In the Franklin American Journal a plan is suggested for a magnetic boring machine, to supersede the rod borer, or the Chinese method, with weight, chisel, and rope, by a Mr. John Thompson. It is stated that the small space through which the magnetic principle can exert its powers renders it peculiarly adapted for boring purposes, either perpendicularly, horizontally, or at any angle, having a great advantage over the other methods, and applicable to direct mining. The author of the paper proposes to adopt a short boring instrument, having a common magnet inserted into it, with the poles uppermost. A fellow-magnet to this has a heavy weight attached to it, which being put face to face, connected with a galvanic battery, and reversing the polarity continually, a power will be exerted between the two magnets, tending at each alternate reversal of polarity to separate them, and produce a shock. Suppose the battery to reverse its polarity to times in a second, and the magnets only to separate the 1000th part of an inch, he calculates the progress at 3 ft. per hour. The power he does not calculate on the attractive principle of the magnets, but in their repulsive energy. The weight being greater than the sustaining power, the boring machinery must sink while the battery on surface is in operation; the wires, however deep the workings may be, are kept connected with it, and the points of the cutters protected by a simple sheath. The magnets descending with the chiesle carry with them the sum annual of energy as when at the surface; and as the sustaining power of the magnet may be increased very much above the example instanced, a powerful agent is here presented to the mining interests. Regarding lateral boring, it is only necessary to use pressure on the magnets instead of the heavy weights, and the mode in which it will be applied depends on the nature of the work to be executed. From the friable nature of coal, he suggests whether it might not be introduced with advantage as an auxiliary t

to pull down what it had bored and undermined.

URWIN'S STRAM-ENGINE IMPROVEMENTS.—We noticed, in the Mining Journal of last week, Mr. Urwin's new mode of suddenly getting rid of the steam from the exhaust side of the piston, stating that we should also notice his plan for returning the steam to the boiler. This consists of a cistern connected with the chest which receives the used steam, containing water, a portion of which, on the admittance of high-pressure steam, is converted into vapour, making up for any leakage or waste; from thence it passes over a bent tube into another chamber surrounded with a running stream of cold water, by which it is effectually condensed, and pumped into the boiler perfectly pure, and having a considerable degree of heat. By this plan, the patentee says he reduces the consumption of fuel, obviates the rapid wear of tubular boilers arising from the use of salt water, and prevents all deposit and incrustation.

PREPARATION OF CHARCOAL BY HIGHLY-HEAPED STRAKE—M. Violetic, whose valuable experiments on the steam preparation of wood were noticed by us in a former number, has succeeded in applying his plan to the manufacture of charcoal; and the results of his trial show, not only an increase in the strength of the gunpowder made from the charcoal, but also some increase in the yield of the substance. He has also accertained, that at 899° Fabr., wood is not charved; that at 482°, an imperfect kind of charcoal, termed brulots, is obtained; and that at 572° the brown charcoal is formed; whilst a heat of62° gives the black charcoal. Two other French engineers, Mesers. Thomas and Laurent, having hit upon the plan of reviving animal black by means of surcharged steam, M. Violette was induced to attempt its use in earbonization; and, after the primary trials, which gave promise of value, the Minister of War advanced 5000 france for the carrying out of the invention. In the apparatus employed, the steam was supplied by an ordinary boiler, and is passed off through a helical worm, 8 inches in diameter, and 66 feet long, set in a furnace, which thus raises the steam temperature to 572° Fabr. for brown charcoal. It surrounds and penetrates into a cylinder containing the wood, which it chars, leaving the receiver charged with the products of distillation. This arrangement has been in active operation at the gunpowder mills of Esquerdes for a year back, supplying all the charcoal required there. The yield of brown charcoal is found to be from 33 to 37 per cent. of the wood, against 18 per cent. of the town, or 14 per cent. of black charcoal, by the old process. M. Violette states, that bread-baking may be most successfully accomplished by using steam at 392°, as well as the cooking of meat, the extraction of pyroligneous acid, and pyroxylic apirit.—Glasgow Mechanics' Journal.

Legallyte of the surface and the products of the through the products of Saturders of the charcoal and the products of Saturders of the charcoal and pyroxylic

and solvent same table cooking of meat, the extraction of pyroligneous acid, and by pyroxylic apirit.—Glasgow Mechanics' Journal.

LEGALITY OF FINES IN FACTORIES.—At the Handsworth Sessions, on Saturday last, before J. E. Piercy, W. Mathews, and J. Bagnall, Esqra., G. Overton, and 14 other puddlers, in the employ of Messra. J. Bagnall and Sons, summoned their employers for wages, allegad to have been due—the read question, however, being the legality of manufacturers to make and enforce a code of laws for the regulation of the men. It appeared that at the Messra. Bagnall's Toll End Iron-Works it is the custom, in the absence of Mr. S. Talbot, the manager, for the watchman, James Hill, to examine and dacide upon the quality of the workmen's iron, and that about a fortnight since he rejected the ball of a puddler, named Marshall, as being too cold, and requiring re-heating. Marshall refused, on the ground that it was in a proper state, and left the works. The others followed the example, and left the night's work unfinished, in consequence of which a fine of 1L was inflicted, according to the rules. Mr. Edmonds, of Birmingham, contended that Messra. Bagnall had no right to levy fines, and thus take the law into their ewn hands. If men misbehaved, the manager or watchman to reject puddlers' iron, on account of the make. Another point raised was, that one of his clients (Overton) could not read, and, therefore, in his case certainly could not be bound by laws he had never heard explained; and he denied that these rules formed a part of the contract between the masters and men. Mr. Duiguan, of Walsall, in reply to all these points, said the legality of the ironmasters to enforce bye-laws and rules, and establish and enforce fines for misconduct, was generally acknowledged in the trade; and with respect to Overton, he had incurred a fine of 10s. about three months since, when Mr. Talbot especially called his attention to the point, and desired him to make himself acquainted with them. After a long conversation of sev

Proceedings of Public Companies.

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MERTINGS DURING THE ENSUING WEEK.

THIS DAY. Bayessa Range Mining Company—offices, at Twelve.
Australian Treat Company—offices, at Twelve.
Brighton and Continental Steam-Packet Company—offices, at Twelve.
Brighton and Continental Steam-Packet Company—offices, at Twelve.

MONDAY. Australian Mining Company—offices, at Twelve.

Monday — Asturian Mining Company—offices, at Twelve.

Asturian Mining Company—offices, at Twelve.

North Wales Halway—Gulidhall Coffee-house, at One.

London and Greenwich Railway—offices, at One.

Cameron's Coabrook Steam Coal and Swansea and Loughor Railway—offices, at One.

Wednesday — Belance Mining Company—offices, at One.

Wednesday — Belance Mining Company—offices, at One.

Oxford, Worzester, and Welverlampton Ealway—London Tavern, Two.
Soulhampton Docks Company—offices, at One.

Thursday — Liyavi Fron Company—offices, at One.

Liyavi Fron Company—offices, at Twelve.

Arigns Iron and Coal Company—offices, at One.

Newry and Enniskillon Railway—Gulidhall Coffee-house, at One.

Reading, Gulidford, and Reigate Bailway—offices, at One.

Reading, Gulidford, and Reigate Bailway—offices, at One.

Electric Telegraph Company—offices, at One.

Newry, Warrenpoint, and Rosarrover Railway—offices, at One.

Oxford, Wexford, Wicklow, and Dublin Railway—offices, at One.

Oxford and Waterford Railway—offices at Two.

Droitwich Patent Sait Company—offices, at Two.

[Thit meetings of Mining Companies are inserted among the Mining Intelligence.] MEETINGS DURING THE ENSUING WEEK.

[The meetings of Mining Companies are inserted among the Mining Intelligence.]

COMMERCIAL BANK OF LONDON.

The annual meeting of this company was held at the establishment, in Loth-bury, on Tuesday, the 24th inst., to receive the report of the directors, and on other business. Thomas Barnewall, Esq., in the chair.

other business. Thomas Barnewall, Esq., in the chair.

The Chairman said: In taking the chair on the present occasion, and before proceeding to the immediate business of the day, I feel it my duty—and a mouraful one it is—to express the deep regret of myself, as well as of my brother directors, and in which regret I am sure you will sincerely participate, at the melancholy loss we have incurred by the demise of our late respected chairman, who has been so many years connected with us, and who, not only in his private relations, but in his commercial walks of life, was so much respected. (Hear.) Since he has been connected with us, I may say that his only object has been to promote the interest and prosperity of the Commercial Bank of London. He stood by its cradle and watched over its mfancy; he devoted every energy of his mind to hasten its growth to maturity—indeed, to promote the interest of the Commercial Bank of London was the great object of his life. (Hear, hear.) For the attainment of this object, your late respected chairman brought such qualities to bear as are rarely to be met with, and which with difficulty could be equalled. The result of his valuable aid was, that this bank was now established on a solid basis, and it remained the duty of the directors, if they wished to maintain its prosperity, to follow his example. (Hear, hear.) After rendering this imperfect tribute to the memory of your late chairman, John Taylor, Esq., I shall leave the painful subject, and proceed to the business of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by requesting Mr. Cutbill to read the annual report on the state of the day, by a requesting Mr. Cutbill to read the annual

Mr. A. R. CUTBILL, the general manager, then read the following report and balance-sheet:—

The directors have again much satisfaction in meeting the proprietors, and in presenting to them their ninth annual statement of the affairs of the bank. It will be seen by the annexed balance-sheet, that after writing off the bad and doubtful debts, and paying the charges and current expenses of the year, the net profits amount to 12,0717. los. 1d. Out of these profits a dividend as the rate of 6 per cent. per annum, for the half-year ending 31st December, 1848, has been already paid; and the directors have now to declare a dividend for the half-year ending 30th June, 1849, at the same rate, and, as hitherto, free from income tax. After paying this dividend, and deducting the rebate of interest upon current bills, there will remain a balance of 2596. 17s. 1d. to be added to the reserve fund, increasing that fund to 20,144. 19s. 9d. In compliance with the provisions of the Deed of Settlement, the following directors—viz.: William Beresford, M.F., John Alfred Chowne, John Savage, and Joseph Thompson, Esqrs, retire from office, but, being eligible, offer themselves as candidates for re-election.

Commercial Bank of London—Balance Sheet, 30th June.

Capital subscribed. London—Balance Sheet, 30th June.

Capital spaid up. Commercial Bank of London—Balance Sheet, 30th June.

Capital paid up. £198,280 0 0

Capital paid up. £198,280 0 0

Capital paid up. £198,280 0 0

Salance street down, after deducting bad and doubtful debts, and paying all charges and current expenses. **12,077 16 1

EFF Total

Cash in hand, Government securities, bills discounted, &c. £695,580 2 0

Cash in hand, Government securities, bills discounted, &c. £695,580 2 2

Value of banking premises, fittings and furniture . 4,000 0 0 Total £699,580 2 2

Passed unanimously.

Mr. CUTHILL (the manager) said, it was satisfactory for him thus to see that the exertions he had made in behalf of the bank were so highly esteemed; and he begged to say that such a testimonial would be a great inducement for him to continue those exertions. (Applause.)

Mr. BLEADON then moved a vote of thanks to the chairman and directors, for the zeal and ability they had displayed in the management of the bank for the past year. (Hear, hear.) The resolution was passed unanimously.

The CHARIMAN returned thanks, and the meeting broke up.

ALFRED LIFE ASSURANCE COMPANY.

The annual meeting of this company was held at their offices, Lothbury, on Wednesday, the 25th inst.—Sir DAVID SCOTT, Bart., the chairman of the board

of directors, presiding.

Mr. Hampton (the secretary) having read the advertisement convening the meeting, the Charman said it was usual, at the meetings of the proprietors, to introduce the report which the directors had to submit to them, with some few remarks; but he believed the report itself, and the accounts, would be found so clear and satisfactory, that it would be necessary for him to detain them, with one or two observations only. The proprietors would find, upon reference to the report, that they had not been able to keep up the average number of their policies, and however this was to be regretted, still it was no matter of surprise to those who reflected upon the general commercial stagnation of the past year. He would not detain them by any unnecessary repetition of detail, because the report would be found amply to supply all these particulars. He would take that opportunity of mentioning that it would be in the recollection of gentlemen present, that some of the proprietors requested, at their last meeting, that they should be furnished with extracts of a few special clauses from the Deed of Settlement of the company. Those extracts had been made, and were ready to be furnished to the proprietors. He would now call upon the secretary to read the report.

The SECRETARY then read the report, which was as follows:—

The directors, in discharge of the duties confided to them, and in accordance with the provisions of the Deed of Settlement, have requested your attendance this day so submit for your information an account of the finances of the Alfred Life Assurance Association, and a general statement of its present position and prospects. The accounts for the year,

sening the 20th June hat, have been duly examined and approved by your auditors, and and proprietors. The following is as an extended the proprietors. The following is as so there are not been been been compared that the income of the association is 29,2934. 4. 2d., while the expenses remain nearly stationary, those immediately connected with the offee being somewhat less than they were the previous year. The premiums upon policies effected since the last report amount to 20791. 2s. 2d., the claims to 7043. 1s. 10d., which sum includes 1902. 7s. 10d. added by way of bouns to the amounts assured. The claims are full extremely more assumed to a summary of the company of the company of the company of the company's experience, which has been observable from its commencement, cannot fail to exercise a most beneficial effect as regards the result of the quinquamial valuations, tending, as it does, so materially to increase the surplus to be divided on those contains upon the association which has been observable from its commencement, cannot fail to exercise a most beneficial effect as regards the result of the quinquamial valuations, tending, as it does, so materially to increase the surplus to be divided on those contains upon the association, the divisors have the most of the surplus to be divided on those colories of the association which the association which are considered to the credit of the assurance fund, which now amounts to 68, 4001. 14s. 8d., an accumisation the directors have reason to believe indicative of considerable success, and of the exercise of great economy throughout the course of the society's operations. The amount of premiums received on policies, which have terminated during the year, is 2015. 3s. 6d., and deducting this sum from the amount paid on account of claims, it will be seen that no more than the course of the society's operations. The amount of premiums received on policies, which have terminated during the year, is 2015. 3s. 6d., and deducting this sum from the amount paid on acco

continue to exert themselves, in the hope of deserving the approbation of which the proprietors had been so lavish. (Applause.)—The meeting then separated.

MUTUAL LIFE ASSURANCE.

On Wednesday, the 18th inst., the half-yearly meeting of the members of this society was held at the London Tavern, for the purpose of receiving the report of the auditors, the re-election of four directors, the election of an auditor. WILLIAM C. HARKETP, Eaq. took the chair, when Peter Hardy, Eaq. F.R.S. (the actuary), read the minutes of the last meeting. The auditors' report was also read to the meeting, from which it appeared that the receipts of the society amounted to 24,177.6 so. 24. Out of this sum 1464.5 s. 24. had been received as premiums upon 80 new assurances. Amongst the disbursements was 5550.6 ropolicies surrendered. The balance in faveur of the society was 28534.6 s. 3d.

The CHARIMAN would draw attention to the last paragraph of the report now to be read to the meeting. In reference to the proceedings at the last general meeting, it was arranged that a circular should be sent round, but subsequently various meetings of the gentlemen of the committee had been held, and the result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that no circular was sent. It was now his duty to read a short result was that the sent was the sent was the sent was the read.—

Although it is unusual at the July court to present any other report than the merca was the sent was the sent

Mr. Rowe wished to know why the usual notice had not been sent in respect to the vacancy in the direction.—The Chairman said all the formal notice required by the deed had been sent to the members.

Mr. Gut. had been present at several meetings of this society, and had frequently heard questions raised as to the salary of the actuary, which to him was always a source of an noyance, as that gentleman had been engaged at a salary which was to increase as the business increased.—A Mexanex said it was not the salary of the actuary, but the sum to be voted to the directors that was under consideration.

Mr. Lerks said he would propose, as an amendment, that the allowance to the directors be the same as on the last occasion—virs. 1900. a year. (Hear, hear.)—Looking at their labours for the past year, the additional number of meetings, and the additional trouble they had imposed on themselves, he thought they were still more entitled to it. (Hear, hear.)—Mr. Guz. begged to second the motion.

Mr. Clartow, a director, said it was perfectly true that the board had a great deal of trouble in the past year; they had no less than 114 meetings, and if 10002, were divided by 114, it would leave a sum of 84. 148, amongst the directors for each meeting. (Hear, hear.) In addition to this they had been continually engaged in the business of the society at their own residences, not, perhaps, so much in endeavouring to extend the utility of the society, as in rebutting the charges which had from time to time been made against it. (Hear, hear.) If every year was to be attended with such anxiety and trouble as the last, he should undoubtedly resign his seat at the board, although the remumeration were to be doubled, or even troiled. (Hear, hear.) The amount was certainly no object to the gentlemen who formed the direction, but it could not be expected that gentlemen of influence, men who formed the direction, but it could not be expected that gentlemen of influence, men who formed the direction, but it could not be expected that gen

just that the contract should be broken. (Hear, hear.) The directors would certainly be no parties to break any such agreement with Mr. Hardy. It had been stated that they did not want a tip-top actuary, but he maintained that it was absolutely necessary for the welfare of this society, that they did have a tip-top actuary. (Hear, hear.)

Mr. BOULTON, so far from wishing too see any reduction of the salary of Mr. Hardy, would wish to see it maintained at its present amount, and he wished that gentleman health, happiness, and long life to enjoy it. (Hear, hear.) As to the directors, he thought the society could not afford to pay more than 8601, however valuable the services of those gentlemen might be, so that he must give his support to the original motion.

Mr. BARBRONG was sorry to find that Mr. Rowe had been the means of spoiling that unanimity he expected at this meeting, by the resolution he had just proposed. They could not expect to secure the services of gentlemen, like the present directors, without at least paying their expenses; after all, what was 304, a-year for the management of their policies as high, if not higher, bonuses than those of any office, let it be established for any number of years. An office he had insured in for 15 years had not given him had the bonuses that the Mutual had given him in 10 years, and for all that some gentlemen would now come and ask them to give heir directors less than 304, a-year. (Hear, hear.) He would not touch upon Mr. Hardy's salary, for it was absurd to think of reducing it and, in his opinion, it would amount to a want of confidence in the directors to arge any such a proposition. He had great pleasure in supporting the amendment, which he hoped would be carried unanimously.—Several other members could seriously think of breaking their contract with Mr. Hardy, who desserved every reward the society could give.

Mr. BORDERLA, addirector, was sure than to member could seriously think of breaking their contract with Mr. Hardy, who desserved every reward the s

The CHAIRMAN returned thanks for himself and the directors, when the meeting broke up.

London Life Association.—At the half-yearly meeting of proprietors, on Wednesday last, at the offices, King William-streef, Sir Claudius Hunner in the chair—the report presented showed a receipt for the half-year ending 80th June last of 189,604L, leaving a balance, after disbursements, of 22,656L. The tangible securities deposited in the names of the trustees in the Bank of England amounted to 100,000 of Canada debentures. The present value of 5,568,472L assured on lives of members to July 1, 1848, was 2,934,746L, and the amount assured on the lives of members ince July 1, 1848, amounted to 202,000L, which will be valued in 1850. The accounts showed a reduction of 67 per cent. for the current year on the premiums of members, and the directors were requested to consider the propriety of taking assurances to the amount of 7000L instead of 5000L as a maximum.

OI DUUL as a maximum.

SWANSEA DOCK COMPANY.—The half-yearly general meeting of shareholders in this company was advertised to be held yesterday at Radley's Hotel, Bridgestreet, Blackfriars, when the secretary attended, but, in consequence of the absence of parties from London, no business was done, and the meeting stands adjourned, sine die.

sence of parties from London, no business was done, and the meeting actions adjourned, sine die.

Alleged Nuisance of Chemical Works.—At the York Assizes, before Mr. Justice Patteson and a special jury, an important case came on for hearing (Atha v. Simpson), on Saturday last, the 21st inst., and did not terminate until fate in the evening of the 24th, in which the plaintiff sought to recover damages for alleged injury inflicted on his crops and timber by the noxious gases evolved from defendant's works, who is a manufacturer of soap, oil of vitriol, and sulphate of soda. Plaintiff's counsel said, that the vapours arising from these works rendered life uncomfortable in the neighbourhood, interfered with the enjoyment of property, produced great injury to vegetation, and decreased materially the value of the timber. Witnesses were called, who spoke to their withering effect on the young oak and sab trees, stated that the fruit trees and bushes were killed or dying, and that the garden, which 12 years since produced 20% worth of fruit, had the last year only given 1% worth. It was admitted, however, that the garden was entirely neglected, amost a wilderness. Mr. Martin, for defendant, greatly regretted this action should have been brought, as it was evidently not on plaintiff's own account, but at the instance of Mr. Waterton, of Walton Hall, a person of eccentric habits. The works had been in operation 30 years, and were a great benefit to the property in the neighbourhood; no complaint was made until 1846, and Mr. Waterton entered an action in 1847. This was referred to arbitration, and had cost 7000%. The defendant then, of course, desired to avoid further embarrasment, and gave up the manufacture of sulphate of soda. He, therefore, asked the jury to decide the question, that it might be settled. Prof. Johnston, and Drs. Brett and Glover, testified to the excellent arrangement of the works for the prevention of the escape of noxious vapours, and that there was nothing injurious to vegetation or health about th

and the jury, after an hour's absence, found a verdict for the defendant.

Charge of Manslaughter against a Collier Manager and the jury, after an hour's absence, found a verdict for the defendant.

Charge of Manslaughter against a Collier Manager or ground bailiff, and Thomas Gascoigne, the engineer at the Loscoe Colliery, in Derbyshire, were severally indicted for the manslaughter of John Daykin and Thomas Millward, by negligently using a rope of insufficient strength and security. It appeared that the prisoners, as well as the owner of the colliery, a gentleman residing in Hertfordshire, had been repeatedly cautioned about the insecure state of the ropes; and that on the morning of the 23d of May last Toplis did examine the rope, and found it in one place dangerous. He accordingly ordered Gascoigne to splice it, and went away, taking no further notice. Gascoigne did splice the rope, but not sufficiently, for about 12 o'clock the deceased persons were being drawn up the shaft, when it broke at the splice, and the men were killed. The splicing had been done with only five rivets through the iron splice bit, when it was always usual to have from 8 to 12. After conference between the counsel and judge, Mr. Denison, as leading counsel for the Crown, stated to the jury, that having carefully read the depositions, and conferred with his learned friend, who likewise had done so, they were both of opinion that, though the conduct of Mr. Topls was very reprehensible and culpable, though there was very great negligence—culpable negligence—the charge of criminal negligence could not be sustained, and therefore, under the sanction of the court, he would not trouble them to go through the evidence, only, after a protracted trial, to arrive at that verdict to which he was now ready to consent. Mr. Mellor, for the prisoner, said that his employers had the highest opinion of him as a man of the most excellant character, sober and trustworthy, and they for themselves, and he for the prisoner, promised that for the future more

MILLAND GREAT WESTERN RAILWAY OF IELLAND.—In anticipation of the passing of the bill now before parliament, for advancing to this company the sum of 500,000% out of the Consolidated Fund, and to enable the company to take the land required, without the expense imposed by the existing law, the directors have, it is understood, engaged with Mr. Dargan, the contractor, for the construction of the entire line from Mullingar to Galway.

Extracts of Charters, Royal Letters Patent, Ordinances, and Bye-Laws of the Vintners' Company; Privileges, Abuses, and Proposed Remedies; with Powers of the Court of Aldermen over all the City Companies, Guilds, &c. By JAMES INNES. 8vo., pp. 15.

INNES. 8vo., pp. 15.

It would appear somewhat strange that we should notice the appearance of a pamphlet touching upon the ordinances and bye-laws of the Vintners' Company, were it not that there is a link of communication between the miner and the vintner in more senses than one; while the case before us, which is very ably put by the author of the pamphlet, affords another illustration of the abuses committed, or permitted, by the corporate bodies, and the "guilds," or "faternities," of the municipality. There is a something quaint in the way in which the editor tells his story, and his extracts, or abstract, is not only amusing in itself, but, we assume, will be held as important by the members of that "guild." The first charter was granted the 15th July, 1383 (37 Edward III.), which was confirmed in 1428 (6 Henry IV.), and in the year 1437 (15 Henry IV.), subsequent to which certain Royal Letters Patent and charters were granted, by which the company is now governed, bearing date Feb. 2, 1612 (9 James I.). It should be observed that the other of Mr. Innes, in the publication of this namphlet, is to show that the system of

was confirmed in 1428 (6 Henry IV-), and it the year and the year to which certain Royal Letters Patent and charters were granted, by which the company is now governed, bearing date Feb. 2, 1612 (9 James I.). It should be observed that the object of Mr. Innes, in the publication of this pamphlet, is to show that the system of taking youths nominally as apprentices, without any application on their part, whereby they may acquire the "art and mystery" of a vinture (we presume the mixture, or admixture, of certain compounds), but morely to acquire the privileges, is a fraud in itself; and this, we think, is self-evident, not requiring any extraordinary extent of common sonse, or intelligence, although in the courts of law there might be much argument and forensic knowledge deemed necessary.

It appears that the freemen and commonalty of the "mystery" of vinture have exclusive privileges and powers, and are exempt from certain charges and immunities which are all duly recited in the several Acts, charters, and letters patent, and having adduced the various rights, the author concludes with "remedies," which he recommends should be adopted to meet the abuses which exist. We perfectly agree with the propriety of the strict observance of laws laid down, and such as are not confined to the vinture, but equally apply to the artificer, and even to those who "compose" the present article. It is, in many instances, essentially necessary that an apprenticeship, or servitude, should be given, so as to render the party competent to execute the work which he may be called upon to perform, and also to instruct and superinteend others is a lis employ. We well know the importance to be attached to the duties of engineers and machinists, as well as to other branches of actentific knowledge, and the attainments required, hence the necessity of application, and a "seven years" apprenticeship. It is in this light that we look on the advocacy of the writer, and the arguments he adduces in support of his views—how far such may be neces

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Mining Correspondence.

The Commissioners of Island Revenue having notified to us their resolve to charge its advertisement duty all reports having the agent's names affixed, we appealed to them a memorial, setting both that we, or the respective companies, during to equivaling a memorial, setting both that we, or the respective companies, during no elevaning of the most of the same and the set ought, or obtained, being that of affording to the minus adminuser and public the greatest guarantee we could for the truthful and loos fell mature the statements periodically set forth, by authenticating them, and thus fixing a reconstillity on the writer. The Commissioners have replied, that "the reports, with most stateched, are advertisements, and that duty will be charged thereon." We have alternative but submitting to their dictum. How far the Commissioners are correct the view they take, our weakers can judge as well as ourselves;—we am but hope that the view they take, our weakers can judge as well as ourselves;—we am but hope that yet have falled, and, rescind the orders we have issued. All reports inserted under this head, however, mit, as heretotours, he usideved as furnished by the regular agents of the company; and we shall carefully are digitally and against the publication of statements which cannot be relied on as correct.]

BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—The lode in Field's engine-shaft, sinking under the 50 fm. level, contains a branch of solid yellow copper ore on the south part of the lode, from 5 to 7 in, wide, and the north part is capels, with copper interspensed through the whole of the lode. The different levels in these mines are, for the last week, without change since the last report. The water still continues to sink in the Great Alfred Mine from 1 to 2 ft. a week. We set six men, or Monday last, over the back of the 16 fathom level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level, in this mine, on tribate, and, no doubt, as we clear up the levels, preity much level in the 16 fm. level end cast, where the lode was cut off by a slide, we liave driven 34 fms. south, and cut a part of the lode, shout 4 in. wide, with a good branch of lead. The pitches to the west of this ground are poor.

BEDFORD UNITED—At Wheal Marquis, the lode in Bailey's winze, in the 90 is 3 ft. wide—a good oray lode; in Crew's winze, in this level, the lode is still worth about 3 tons of ora per fm. We continue to drive by the side of the lode in the 90. The lode in the winze in the 80 fm. lovel, is 3 ft. wide, producing some assing work. In the 70 cast the lode is 3 ft. wide, producing fine stones of oro—a very promising lode.

BRYN-AR-IAN.—The men will finish cutting the plat on Saturday next and shortly after will commence driving east and west on the lode for a 10 fathom level. The lode in the shaft is 3 ft. wide, yielding 15 cwts. of ora per fm. The tode in the shaft is 8 ft. wide, yielding 15 cwts. of ora per fm. The tode in the shaft is 8 ft. wide, yielding 15 cw

an at present dry but very little.

DEVON AND COURTENAY.—The lode in the end, driving west in the fifth level, is 3 ft. wide, the south part of which is composed of strong capels, spotted eith ore, the north part is white iron, prisus, and soft spar; in the rise in the back of this west lite lode continues about 3 ft. wide, composed of goes an, mixed with some gray and assan ore. In the rise in the back of the 50 fm. level, on the south lode, the lode commest of the labout 1 ft on of ore per fathorh. The men from this level driving east are aken to this place, to assist the others for the purpose of effecting a commudication with the level show, which I expect will be done in about three weeks.

DYFNGWM (LEAD).—Little or nothing has been done during the past week except prepartory work at the dressing floors, &c. The lode at the castle is now 9 ft. wide, with good swing work. The poorer ores can not be returned, until the arrival of the tamps, which are expected daily, and from six to seven tens of higher produce will be easy sext week.

saky sext week.

EAST CROWNDALE.—In Rix Hill Mine the shaft is very near the point holing, and producing goed saving work for tin; no alteration in the cross-cut since y last. June tin is at its destination by this; it weights 5 tons 5 cuts. 3 qrs. 2 lbs.—itee, 40: 10s. per ton; after ores, 7 cuts. 1 qr. 1 lb. I have but little doubt of our secting the cost for the next three months, and after that to be in a position, should tin sep up to a fair price, to 1 pay profits to the adventurers.

sep up to a fair price, to ray profits to the odventurers.

ESGAIR LLI.—The south lode in the stopes in the bottom of the deep adit, ast of the engine-shaft, is about the same as last reported. In my last report I informed on the north lode in the deep adit east was increasing in size, and more water coming out the north lode in the deep adit east was increasing in size, and more water coming one the present end, and the lode producing more fine lead in the small than in the ough, the whole of the small containing lead, but not sufficient to put a value on, since thich the lode is much improved, and is now 3 ft. wide, and will yield, on an average, som 4 to 5 cwts. of ore per fm., and looking wery kindly, with much water coming from the present end, and will produce as good stones of lead as I ever saw in Eagair Lil. The ode in the winze below the shallow adit is looking much the same as last reported.

EXMOOR WHEAL ELIZA.—During the last week our progress in driving north in the 24 fm. level has been slow, in consequence of the ground being harder than asnal. According to the regular underlay of the lode, there is about 15 ft. more to drive to cut it, which we hope to accomplish in a fortnight, or, at most, three weeks. In driving south-west on the caunter lode a silde was met with, which hove it, we presume, north—of this we hope to be more explicit in our next. The engine continues to work well.

HEIGNSTON DOWN CONSOLS.—The ground in Bailey's engine-shaft is by quite so easy of progress as for some time past. The lode in Hitchens's shaft is imposed in size and quality since my last, being at present full 20 in, wide, and producing ood stones of copper ore. The lode in the 35 m. level, east and west of cross-cut, conserved to produce some good saving work for tin ore, with occasional stones of grey ore, successfully.

superior quality.

HOLMBUSH.—The lode in the 120 fm. level south is 4 ft. wide, composed quarts and stones of lead. The lode in the 120 fm. level, east of Hitchens's shaft, on a south part, is 10 in. wide, producing about a ton of copper ore per fm.; but little copress can be made, the country being hard ironstone. The ground in the 120 fm. vel cross-cut south, towards the Flap-jack lode, is favourable. The lode in the 110 fm. vel cross-cut south, towards the Flap-jack lode, is favourable. The lode in the 110 fm. vel south is 3 ft. wide, producing 4 cvts. of lead per fm. The stopes in the back of the vel, connected with the end, will produce about the same quantity of lead per fm. The fe in the 100 fm. level south is 23 ft. wide, composed of soft spar, prian, and stones of d. opening tribute ground. The Flap-jack lode in the 100 fm. level, east of the great one-corree, is 20 it. wide, composed of spar, mundic, and stones of copper ore. We have moved the man to stope the back of the level, for a few days, to assist our sampling, d to-morrow we shall take down the lode.

KIRCUIDBRIGHENSHIEF.—The lode in the 62 fm level west is 5 ft. wide.

and to-morrow we shall take down the lode.

KIRKCUDBRIGHTSHIRE.—The lode in the 52 fm. level weat is 5 ft. wide, with good spots of lead in places. The lode in the 50, cast of Stewart's, is 2 ft. wide, with a small branch of lead, worth from 2 to 3 cwts. of ore to the fm. The lode in Keith's shall branch of lead, worth from 2 to 3 cwts. of ore to the fm. The lode in Keith's 3 ft. wide, ylelding 12 cwts. of ore to it. The lode in the winze, over this end, is 3 ft. wide, worth 8 cwts. of lead to the fm. The lode in the winze, over this end, is 2 ft. wide, with spots of lead on the fm. The lode in the winze ander the 40, cast of Stewart's, is 2 ft. wide, with spots of lead on Moncay next.

LAMERHOOE WHEAL MARIA.—Since my last we have got the enstern all of the cross-course, which will enable us to take it away with greater advantage, and ak the shaft much faster than we have hitherto been enabled to do; I hope in about R. more it will leave the shaft, which is now down 6 fms. 25. below the 50. At Davey's aft we have got through those beds of spar which so seriously interfered with our work-githees, and are now in a fair way of sinking.

MENDIP MILLS.—We have a tolerable good pile of slags prepared for the traces, which I intend smelting about the latter part of the present week. The beds of ags in Charterhouse Valley continue to produce some very good slags, and, I think, in the whole, are improving in quality as we proceed towards the eastern part of the illey. In Blackmoor, I am glad to say we are progressing very favourably with the election of the engine; the greater part is already faxed in its place. The carpenters are present bustly engaged in fixing the stands for carrying the chains from the engine to eincline plane at Blackmoor, which we hope to see completed in two or three days om the present. The masons are getting on as fast as possible with the reverberatory trace. The walls of the house are completed, and the roof will, we expect, be finished is exening. The flues are also in a forward state; I hope, therefore, to see the fur-vec completed by the end of this week.

SOUTH WALES MINES —At Neature of the property of the property of the property of the contract of the week.

ass completed by the end of the week.

SOUTH WALES MINES.—At Nant-y-cria, the new lode in the shallow
fit west is about the same as last reported. The lode in Bodeoll deep adit east is 18 in.
ide, and locking more kindly than when last reported. The lode in Dalwin deep adit,
is of the Rhydment river, is 5 it, wide, and is now producing some good stones of lead,
ith copper and menuic, and locking more kindly than when last reported.

ith copper and mendle, and looking more kindly than when has reported.

SOUTH WHEAL TRELAWNY.—The engine-shaft is sunk 10 fms. below
the 30 fm, level, and also cased and divided down the engine-shaft, as well as the whim
belts thrown 10 fms. below the 30 fm. level, to take the stuff from the 40 fm. level—
round in shaft is just the anne as last reported, the water as well. We are now engaged
a catting some ground for a small plat in the 40 fm. level.

THELEIGH CONSOLS.—At Garden's engine-shaft the ground is much as mal. In the 90, west of ditto, the lode is 1 ft. wide, with stones of ore. In the 80, west ditto, the lode is 1 bin. wide, with stones of ore; in the same level, on the north part. of ditto, the lode is 15 in. wice, with stones of ore; in the same level, on the north part, the lode is 16 in. wice, with stones of ore. In the 70, west of Garden's, the lode is 25 in. wide, which stones of ore. In the 60, west of ditto, the lode is 25 it. wide, poor. At Wheat Parent, in the 30 fm. level east, the lode is 25 it. wide, worth 11.7 per fm.; in the 30 fm. level west the lode is 18 in. wide, with stones of ore. At the whim-shaft west, the plat is cut in the 12 fm. level, and we shall commence staking next week on the middle beloe-shaft from surface down 11 inus; rise against ditto, up 6 fm., lode amail and poor. We expect to hole this shaft next week, and shall then sink below the adit.

and poor. We expect to hole this shaft next week, and shall then sink below the addt.

WEST WHEAL JEWEL.—The rise in the back of the 70 fm. level, west of Williams's cross-course, on Wheal Jewel loid, loide worth 34, per fm. The winze in the bottom of the 57 fm. level, west of ditto, cross-course on ditto, loide worth 34, per fm. It has 47 fm. level, west of ditto, cross-course on ditto, loide worth 34, per fm. It has 47 fm. level, west of ditto, cross-course on ditto, loide not taken down in the past week. The deep addt, west of disto, cross-course on ditto, loide not taken down in the past week. The deep addt, west of disto, cross-course on ditto, loide not taken down in the past week. The deep addt, west of disto, cross-course on ditto, loide, is producing stones of tin. The stopes in the back of the 12 fm. level, west of Pryor's winze, on the same loide, are worth 142 per fm. In the stopes in the bottom of the 12 fm. level, east of Tregoning's surface, in the stopes in the bottom of the level, east of Tregoning's winze, in the same loide, are worth 152, per fm. These stopes are working on tribute.

WELLINGTON.—If am engaged here bonder the representation of the level, are worth 152.

WELLINGTON.—I am engaged here to-day preparing the copper ore for sampling the 24th inst., and would at the same time say, that the lode in the 32 fathom layed, east of the engine-shaft, is about 1 ft. wide, all saxing work for copper ore of good quality; and the lode in the 22 fan. level, east of Percelly shaft, is, just the same in size and character as in the 32 fan. level, east of Percelly shaft, is, just the same in size the other levels in the mile are poor at present. Our vibute pitches are, on the whole, about it

just as they have been for some time past, doing pretty well. Our last sale of tinstuff was an Friday, the 20th last, which said for 50th last 70th last 70t

FOREIGN MINES.

ALTEN MINES .- The following is the estimated produce for June :-

Mines. Raipas							•	7	(O	ns	ol	C	re		1	Pe	r	Ca	nt		F	ine	Copper.
Raipas	, .										- 5	8			 			6					3.48
Old Mine	 			 							8	0		41	 			6		 			3:00
United Mines			**	 		9.4					3	5	9.0		 			51		 			1.92
Michell's																							
Mancur's	 											21			 			5					0.13
Carl Johan's				 								6						10					0.60
New Lodes	 											3						6					0.18
Ryper's				 	 ca.							24						7		 			0-17
											-	-											
Total	 	0.0		 							17	1											10:31

. Mining Report from the 12th June to the 3d July.

United Misss.—Since handing you my last report, there has been no particular eltera-tion to notice in the workings on Ward's lode. The ground in the level is favourable for driving; the lode is small, but contains stones of good ere. The prespects in the new sink continue flattering, and the lode yields fair returns of ore. At Woodfall's the tri-buters produce some gossan ore, of a superior quality, from the north lode, where they have also opened workings on some other branches, the produce of which is at present statisfactory.

have also opened workings on some other branches, the produce of which is at present satisfactory.

Gid Mine.—The general appearance of this mine holds out great promise, but in the above estimate a falling off is visible, which may be accounted for by the number of hands employed in unloading coal vessels; as these, however, are now returned to their work, we may expect a more satisfactory result next month. The ore has also been of rather a lower quality, on account of the returns made from the old halvan heaps.

Byper's.—The tribute operations at this mine are still productive, and the lode, although small and hard, leaves a remunerative profit on the outlay.

Maneur's.—The workings at this mine are at present confined to surface operations, and, whilst the summer continues, to picking over the attic heaps.

Michell's.—The working yields fair returns of ore, and the prospects are good; during the last fortnight some other small branches have been discovered, from which some small parcels of ore, of a good quality, are being produced.

Ore Dressing.—These operations are confined to jigging of Ward's smalls, but we have only work for the machines for a few days.

Enclosed is Captain Monk's report on the Ralpas Mine:—

Ore Dressing.—Those operations are confined to jigging of Ward's smalls, but we have only work for the machines for a few days.

Enclosed is Captain Monk's report on the Raipas Mine:—
Raipas, July 3.— In compliance with your orders I furward you my report of the mine, which will be found to present a detailed account of the several bargains now in progress. In the stope west of Monk's shaft, in our 20 fm. workings, the lode is upwards of 16 ft. in size, containing patches of purple ores in every part of the bargain wherever the hard fluty gossan has disappeared, and been replaced by limestone of a more encouraging nature; indeed, this stope has improved considerably within the last few days, and is at present wearing an aspect fair superior to what it has done for some time past. It the northern crass-cut, but in the 30 fm. workings, the lode is upwards of 6 ft. big, running after a smooth wall, and leaving good reserves in the roof, containing purples and yellow over mixed fogether, and producing upwards of 8 is ones of ores per fm.; the ground here is also assuming a more settled appearance, and at the same time outlines speady and some settled appearance, and at the same time outlines speady and south-cast workings, so have any of the present time been unable to restore. It is continued to the sum of the producing the state of the same time of the continues of the same time of the same time

AUSTRALIAN MINING COMPANY .- Tungkillo Mines, March 5.

the men have rulsed about 18 tons of 6 per cent. ores.

AUSTRALIAN MINING COMPANY.—Tungkillo Mines, March 5.

Total quantity of ores sent to Port Adelaide, supposed to be above 26 per cent. produce, 312 tons; now lying in and on the mine, not dressed, 78 tons—total (21 cwts.) above 26 per cent. from commencement, 390 tons; now lying on the mine, available for smelting n the colony, supposed from 10 to 15 per cent. produce, 365 tons—total raised, 655 tons.

Monthly Report.—At Austey's engine-shaft, the ground continues to be just as hard as usual; there is some increase in the waier, but no more than can easily be drained by employing one horse in the whim at a time—this shaft s now about 15 fathoms deep from the surface. The lode in the cross-cut, west from Lean's winze, is harder than I have seen it in any part of the mine; we have now cut into it about 3 ft., the whole of which is composed of spar and copper oves of good quality; we have not yet got the western wail of the lode in this end. In the cross-cut, west from Hawling's winze, we have passed through a vein of spar and gossan, is in. wide, which is unproductive: It appears we have the main lode still to cut into. The stopes over the 40, south of Goad's winze, are producing native copper, red oxide, and black sulphures over so sperior quality, and are promising to be lasting. In the stopes over the 40, north from Goad's winze, during the past month. In the 40 fm. level, north from Stephens's torspiring from hereduring part of this month. In the 40 fm. level, north from Stephens's winze, about 3 fms. remain to be driven, when we shall have good ventilation, resume the driving north from Phillips's winze into the unexplored ground, and raise orge in back of the level passed through in Stephens's winze into the unexplored ground, and raise orge in back of the level passed through in Stephens's winze into the unexplored ground, and raise orge in back of the level passed through in the driving between this and the last named end; the lode here remains unbrok

on trisuit, to which it have minimated, it mey can mae any ground mey may like to work, I will give them a fair tribute for the ores they may raise. I hope these arrangement, made to the best of my Judgment, will meet with your approbation.

April 7.—Total quantity of ores raised from the commencement, supposed to be above 25 per cent, produce, and sent to Fort Adelaide, 330 tons; ditto lying in and on the mine, 160 tons—total raised above 25 per cent, 190 tons—total raised above 25 per cent, 190 tons, 190 tons—total (21 cwts.) raised from commencement, 730 tons.

Monthly Report.—At Anstey's shaft, the ground continues hard in the past month; no more than 3 st. have been sunk, owing to an accident to the pumping engine, and the borses having strayed away, during which time the men have been employed about the railway, &c. The stopes over the 40, north from Gords wine, turn out reastrably well, and it sow appears we have not taken away all the lede, there being a rich lode still remaining to break down inside the eastern wall of the Gunnis; in the atopse over the 40, north from Gords wines; in the atopse over the 40, north from Gords wines; in the atopse over the 40, north from Gords wines; in the atopse over the 40, north from Gords wines; in the 40 minimary in the atopse over the 40, north from Harvey's cross-cut, we have cut into a lode supposed to be Hogger's lode, which it accurposed of solid copper orce, averaging full 26 per cent. of copper, on which we have commenced to drive northward towards the stopes south from Gord's wines; in the 40, south from Harvey's cross-cut, we have cut into a lode supposed cross-cut, we have a south on the lode of crea described in the 40 south from Richards's cross-cut, which is equally valuable going forward in this opposite direction; in the 40 fin. herel, north from Richards's cross-cut, we have, seene out less report, laid open the north, walt from Richards's cross-cut, we have, seene out last report, laid open the north wall in the 40, south from Richards's cross-cut,

in Richard's and Harvey's cross-out encourage us to expect the lode in this place, as in the two former ones, will prove equally valuable. The cutting down of Masterman's shaft being now nearly completed, these four men will soon be engaged in fixing guides for the bucket ropes and pump rods, and also a run of ladders from surface to the 40, or adit level, so as to commence sinking in Goad's winze, below the bottom level. The pumps have arrived on the spot, and the horse pumping-engine is daily expected to fellow, from Wheal Rothachild; and I expect, by the middle or and of May, to commence sinking below the water level, and am of opinion that, by the time the steam-engine arrives, by means of horse power, we shall get down and be driving the 56 fin. level. The discovery of such a good lode of ore running parallel with Baker's lode, there being the more than 3 fins. of unproductive ground between them, is most important and valuable, by which the length of the ore ground is increased some 25 fins., and makes it appear at most certain that we shall soon have 10 fins. mere in longth discovered by driving a new cross-cut still further south from the level in which the railway is laid. It has given me much pleasure to be in a position to give this report of our progress in the Tungkillo-Mine. I am getting more and more sanguine as to the result. My belief is, we have only to get down some 10 or 26 fins. deeper to prove that, in venturing to value the Australian Mining Company's special survey at 200,000...], was not building castles in the skir. Thirty-six new men will now be employed in raising ore, and, as we make more room, the number will be gradually lacreased. Lexpect we shall raise full 100 tons in April month, and, on the whole, of better quality than usual. There are now lying an the ore floors three rocks of solid black ore, of the respective weights of 8 cetts, 7 cwts., and 6 cwts., ready for cartage, as specimens from Goad's stopes, on Raker's lode, in the back of the 40, containing, I suppose, some 60

we have, in reality, a rich and valuable lode of copper ore.

BOLANOS MINES.—The following report was received on the 23d inst,:—
E. Borg Mine, June 2.—In San Genarc shaft we succeeded in draining the water with two malacates to the bottom of Taylor's cross-cut on May 16, and on the 11th commenced sending down the pitwork of the third plunger lift; and, by the 16th, we had so far advanced with the pitwork, as to do away with one malacate of the drainage; and, on the 33d, the other was taken off, and the engine stopped whilst we were fixing the typer part of the lift and connecting the rods. The work would have been completed much sooner had it not been for an accident that occurred on the afternoon of Sunday, the 12th, owing to the carelessness of two of the Mexican workmen who were guiding two of the pumps in their descent; the flange of one came is contact with the botts of the rod of the engine going out of doors, and the force of the blow was so great as to anap the chains. During the four days the engine was idle, the water roos in the shaft 57 varsa above the head of Taylor's croas-cut, but the engine being set to work on the evening of the 36th, the water on the 29th was lovered to the bottom of Taylor's croas-cut, and the barrotaros wont down to resume the driving of the cross-cut, and which has since been carried on without any hindrance whatever, and about 14 vars has been driven during the week. We have not as yet cut any more water since the driving was commenced. The coming stream at present is about 24 strakes per minute for the engine.

At San Fernand of no consequence of having received your orders to stop the drainage on the morning of the 15th flary, there has been but very little done in the planes since the water of the planes about 5 vars wide, to ores of 4 or 5 marcs par monton, and which seems to tip set towards No. 5. In plan No. 3 the pottion of the name as when last reported. Compania level can be about 5 vars wide, to ore of 4 or 5 marcs par monton, and which seems to tip set towards BOLANOS MINES.—The following report was received on the 23d inst.:-

mixions to do.

Extract from a Letter, dated June 4, 1849.

CELESTINA has continued improving in the rise of Providencie, which I mentioned in my last report; it is now leaving some profit, though this cannot be expected to be of much duration.

CRESTINA has continued improving in the rise of Providencis, which I mentained in my last report; it is now leaving some profit, though this cannot be expected to be of much duration.

La Gashya Haciespa is again at work, to grind the stock of ores on hand, in order that the produce may be included in the accounts for June quarter, if I be not disappointed in procuring a smitchency of salt for their reduction. I have been receiving a few hundred cargae lately, but if does not come in so fast as we require it.

Et. Borr Nzeoccateon.—In former letters I have pointed out the difficulties which I had to contend with from want of fands, and have prepared you for the probability of a suspension of the principal works of the negociacion, from the same cause. I have now to advise you that I have been obliged to take this step somewhat sooner than I anticipated. On Monday, the 18th, I reduced the establishment as far as I possibly could under the feircumstances. I discharged the whole of the underground workmen, with the mining captains, &c. I stopped the drainage at San Fernancia, and sent the cattle to pasture, and reduced the number of masons, carpenters, and biacksmiths, retaining only those which were necessary to finish the few works which are absolutely indispensable. The list of agents, watchmen, &c., on the surface, has also been curtailed to a considerable extent. I was determined, however, to finish the work of patting down the pumps in San Genaro as far as Taylor's cross-cut, if possible; and this was finally effected on the 28th, after being delayed some days by a serious accident, the clash having broken while lowering two of the pumps.

For the present, I have thought it advisable in proceed with the drainage by engine at San Genaro, because I have some store of wood on hand for a few months without requiring any additional outky in eash; and I also healtaid about discharging the Engileence, pair and a some healtand about discharging the Engile and the partitude of the pairs of men to go down and break or

occome stationary at that leves.—[Extract of a letter from the superintendent, dated July 11.]—I am happy to say, our 30 fm. end (Peso Rico) is looking better than ever, and if we are not at this moment raising sufficient one to pay costs, we are not very far short of so doing. I hope, in conformity with the Spanish base, to advise the Spanish company, at the end of this month, that the mine is in profitable produce.

company, at the end of this anomb, that the mine is in profitable produce.

LINARES LEAD MINES.—[Extract from z letter from Mr. H. Thomas, dated Linares, July 11.]—My advices from Swille state that the galeras (carta), 38 in number, left that place on June 30, and may be expected to errive facre daily; they will bring all the lighter articles of the cargo of the "One and All." The bob and cylinder for the engine had also been despatched, and a second detachment of 39 carts and 3 wag-gons were to leave Swille on the 9th of July. The preparatory works at the mine are nearly completed, and, although the weather is very lot, the warkmen were all in good health. The accounts which I continue to hear of the mine astigy me, as far as reports can do so, of the great productiveness of Pozo Ancho, and I do not think we shall be long, after the water is out, in stopping the costs. The mine is generally spoken of as the test in the district, and from my own observations, and the circumstantial reports I have received, I think if there is a better mine eisewhere, it must be a good one indeed.

REAL DEL MONTE MINES, Latters dated June 13 have been received.

ceived, I think if there is a better mine elsewhere, it must be a good one indeed.

REAL DEL MONTE MINES.—Letters dated June 13 have been received from Real del Monte, announcing the transfer of the mines and property to the parties in Mexico who have purchased the same; the terms of purchase and sale being that the English company should be relieved from all liabilities in Mexico (amounting to about \$100,000), and be paid a net sum of \$30,000, in consideration of their giving up to the purchasers all their property in mines, stores, and machinery. A new company has already been formed in the City of Nexico, consisting of 350 shares, of \$2000 cach, in one payment, thus providing a capital of \$700,000, of which sum \$330,000 is the prize or valuation at which the purchasers make over the property to the new company, being a premium of about 40,000d,, at which rate shares are reserved for any persons in England who may be inclined to take them.

ST. JOHN DEL REY MINES .- Morro Velho, May 18.

Gold extracted to date, 7664 oits, from 422'6 cubic feet of sand = 16'95 oits, per cubic foot. Stamps working I7 days, average 94'79 heads. The supply of stone, considering the unfortunate state of sickness which still prevails to so great an extent, is very good, but as you are already aware we are daily obliged to bring in freely from the refuse heap basides stamping every stone, good or bad, that comes up from the mine, all which necessarily keeps the standard very low.

cessarily keeps the standard very low.

Ore.—Though, in consequence of the mines being temporarily undermanned, the supply of stone is lessened, the standard lowered, and the profits of the concern proportionately diminished, it is gratifying to be assured, that when once we succeed in increasing our manned force, our prospects of deriving profitable remuneration from the mines look brighter than ever. The looks (according to Capt. Trelear's last report) never presented, as a whole, a more cheering aspect. It is not only maintaining its size and quality, but is enlarging and improving, especially at the eastern part of the gut, and at the wastern part of the East Quelva Panella. At the surface in the line of the part referred to in the gut, the lode was only about 4f. wide; it is now 30 ft, wide, and in quality of the first order, yielding probably? It 8 of otrays per ton. At the part referred to, in the East Quelva Panella, there was killas; this has disappeared, and in its place we have a lode is ft. wide. The crack over the Middle Cachoeira does not increase in the slightest degree, which is the more fortunate, as, notwithstanding the tempting prices. I have offered for timber of the requisited dimensions, not a single piece has yet made its appearance; meanwhile; though a vigilant watch is maintained over the crack, all apprehension of immediate danger seems to have subsided.

[From the Plymouth Journal.]

WHEAL FRANCO.—The 62 fm svol east and west has improved considerably within the last month; the diving these ends is laying open ground which in this betaken away on tribute. The other parts of the mine are without alteration. The late rains have again

last month; the driving these each is laying open ground which will be taken away untribute. The other parts of the mine are without alteration. The late rains have again set the stamps and grinders to work.

TAYSTOCK CRASCIA (late Wheal Ash).—The lode in the adit level continues to open as the large gossisu is approached, and carries rather more peach and priam with it.

WHEAL CALSTOCK.—The erection of the machinery is progressing satisfactorily.

WHEAL ANDERTON.—The sampling here must be small, the capitaln having judiciously decided on not siamping his tinsuit my steam-power, as a little patience will enable him to do so with the water-wheel.

PLYMOWIM WHEAL YNGARSD.—The north lode has been ent into for 6 ft. in the 13 fm. level, but the north wall has not yet been met with; the lode is very promising in character, and produces about 2 cwits to the 100 sacks; although not very rich, it will pay for driving, and the back will come away at a fair profit. The stamps are again at work the interpretation of the part of the samp in Danaday's shaft the improvement has continued, and there is now a good lode in this sump; the ground has improved for sinking, and I sapset to be at the 30 fm. level in ast weeks from the times. The rice from the 10 fm. level has been holed, and the end let to drive west at times. The rice from the 10 fm. level has been holed, and the end let to drive west at times. The rese from the 10 fm. level has been holed, and the end let to drive west at which I have seen in the bottom of the adit 14 fms. to the west of this end, therefore I want to lay this ground-open, as specilly as possible.—Oki Engine-dayi: The ment and to lay this ground-open, as specilly as possible.—Oki Engine-dayi: The ment with the end of the shoot of this ground which have seen in the bottom of the adit 14 fms. to the west of this end, therefore I want to lay this ground-open, as specilly as possible.—Oki Engine-dayi: The ment with the end of the shoot of this ground which we have passed to be at the adit by Saudray ne

In reply to a proprietor, the CHAIRMAN said, that should they, at an earlier period, be in receipt of sufficient funds, they certainly should not wait for the next half-yearly meeting, but call a special one, lay a statement of the finances before it, and recommend a dividend.—A vote of thanks was then passed to the chairman and directors, and the meeting broke up.

COPIAPO MINING COMPANY.

The half-yearly meeting of shareholders in this company was held at the offices, Austin-friars, on Thursday, the 25th inst.,

JOHN LABOUCHERE, Esq., in the chair.

The advertisement calling the meeting having been read, also the minutes of the proceedings at the last, the CHAHMMAN read the following report:—

Office, Austrin-Training of Biological Science 2011 1828.

The advertisement calling the meeting having been read, also the minutes of the proceedings at the last, the Charlman read the following report:—

Since the meeting, held in February 183t, two vessels have arrived for the company, bringing together 1012 tons of copper ore, of which 562 tons arrived in the Catherine Jenkine, and were sold on the 16th June in London; they averaged 25; per cont. of copper, and realised 193. 14s. per ten, leaving a net profit of 21001. The price of copper has since fallen 94. a ton. The Baigousine, bringing 459 tons of copper ore, arrived at Swanses on the 11th July; her cargo is not yet landed. Capt. Waters expected that the ores would average 25 per ent. The Soin, the only wesel now under clariter for the company, salled from England in January last; the directors have not, for the present, taken np any other vessel to Sellow her, freights having fallen very considerably at Valparalso. Owing to the excitement which has provailed in the province of Coplago, since the commencement of the present year, there has been great difficulty in procuring a sufficient number of native labourers to work in the copper mines, and the manager was obliged, in consequence, to suspend operations at all the new copper mines. During the last six months, ending 34st March, only 335 tons were raised at the company's mines of Checo and San Pedro; the orse, however, are reported of a superior quality. The stock of copper ore lying in the valley of Coplago, after dispatching the Baigousie, amounted to about 1350 tons.

At the last meeting the directors informed the shareholders that Capt. Waters had anounced the discovery of two new silver mines in the mineral of Tres Puntas, and that on the 19th of October he had been induced to accept an offer of some shares in the same, which he had lendered for the company.

On the 29th of October he had been induced to accept an offer of some shares in the same, which he had lendered for the company and the p

more favourable report.

The cash statement and balance-sheet of the company's affairs, during the past year, were also read. The report having been received and adopted, John Labouchere, Esq., and G. B. Carr, Esq., directors, who retired from office by rotation, were duly re-elected; Thomas Curtis, Esq. (an auditor), was elected a director, and James Tulloch was elected an auditor.—The thanks of the meeting were then unanimously voted to the chairman and directors.

CARADON WHEAL HOOPER MINING COMPANY.

EAST GODOLPHIN MINING COMPANY.

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order

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1

Available asset..... 2099 7 10

Total £37,274 16 8

| Same | Color | Color

UNITED MEXICAN MINING ASSOCIATION.

Mr. MATHER (the secretary) having read the notice convening the meeting.

Mr. Mather (the secretary) having read the notice convening the meeting, and the minutes of the last one, which were confirmed, read the following DIEECTOR'S AFFORT.

The directors have now to lay before the proprietors a report of the company's proceedings aince their last meeting.

Mine of Rayas.—Considerable variation has taken place in the workings of this mine during the last six months, more especially in that of Santo Torthio, which has yielded the greater portion of rich over, although these changes have had a material effect, for the time, on the surplus returns. Still, there is not the least sign of our losing this rich vein; on the contrary, its proceeding has invariably led to more valuable and productive points being laid open, and proves that we are following the lode in the right direction. The most advanced points to the south-east in virgin ground were, however, conduct to be ordering on, if not actually entering, the adjoining mine of Promoutorio, and a negociation was, therefore, opened with the owners of that mine, for a contract of Avio, apart from Rayas, as a distinct concern, which has resulted in its being secured to the company on very satisfactory terms, considering that it so mearly adjoins Bayas.

Mine of Promoutorio,—As already stated, a contract has been secured for this mine; the terms are for 20 years, determinable at any time by the company, but binding on the owners; the company to have 13 out of the 24 bars, contributing the bars, towards the payment of any debt that may occur in working the mine. Operations have been commenced by driving a cross-cut to the south-east ground, which is in the same direction as that which is so promising in Rayas, and is already in ore of 10 marse per mention, with every prospect of increasing, as the lode is thrown open is that direction.

Mine of Aldana.—The progress made in sinking the sharing score of the propersion of the contract.

marcs per moniton, with every prospect of increasing, as the lode is thrown open in that direction.

Mine of Aidana.—The progress made in sinking the shaft goes on rapidly, and although no important discoveries have, as yet, been made, still the ground already in sight justifies the expectations held out of its character and importance as a mining adventure.

**Hayas, having rendered a proportionate addition of hacienda accommodation necessary for the reduction of the ores, the manager has entered into the following arrangements:—vis., he has taken the lease of a hacienda called Casas Blancas, with 30 arrangements:—vis., he has taken the lease of a hacienda called Casas Blancas, with 30 arrangements:—vis., he has taken the lease of a hacienda called Casas Blancas, with 30 arrangements: of the term of seven years; also purchased a large plot of ground from the Government, for the purpose of enlarging the hacienda of Duran, and has obtained a lease from the owners of the inclenda of Duran, and has obtained a lease from the owners of the hacienda of Duranging the hacienda Government having appointed a commission to inquire into and adjust this long outstanding claim, with a view to its final liquidation, the directors trust they will shortly be able to inform the proprietary of some effective progress.

**Statement of the total amount of property supposed to be good, belonging to the company in Mexice, as estimated on 31st December, 1848. Amount of remittances from thence to London, and coinage in the same year:—

Buildings—Duran hacienda **Statement**—\$29,417 2 3

Stores.—At the mine of Rayas.**

**Sto

 Balance on 31st November
 \$ 9,295
 4
 0

 Due by the Mint for silver and gold
 24,763
 5
 4

 Uncoined gold and silver on hand
 20,649
 4
 6

 Coinage of the company in 1847.
 S 922,115 7 0

 ditto
 ditto

 1848.
 1,033,374 5 4

Finances in London. —The following is the account of receipts and payments, from the 1st January to the 24th inst.:—

Reduced in 1848..... \$135,464 3.5

13,369 4 6 9,129 0 7 9,390 3 3 90,022 4 3 381 5 6 550 0 0 880 3 6—158,903 2 4

\$188,809 6 0

The half-yearly general assetting of proprietors was held at the officompany, Finebury-circus, on Wednesday last, the 25th inst.

Sir John Easthope, Bart., in the chair.

EAST GODOLPHIN MINING COMPANY.

At the general meeting of adventurers, held at the mine, on the 20th instant the accounts for four months to end of June, were examined and passed, showing—Tutwork (for March, 6l. 12s. 8d.; April, 40l. 3s. 11d.; May, 59l. 19s. 5d.; June, 170l. 13s. 2d.), 257l. 9s. 2d.; merchants' bilis (March, 13l. 6s. 8d.; April, 143l. 12s. 11d.; May, 442l. 19s. 5d.; June, 170l. 13s. 2d.), 257l. 9s. 2d.; merchants' bilis (March, 13l. 6s. 8d.; April, 143l. 12s. 11d.; May, 442l. 19s. 5d.; and June, 150l. 4s. 9d.), 759l. 2s. 9d. 19s. 5d.; May, 142l. 19s. 1d. 6f. or merchants' bilis, the principal items were—542l. 17s. 2d. for machinery and pitwork; 115l. 11s. 11d. for timber, and 15l. 4s. 2d. for rope.—A call of 50s. was made payable within 14 days, and the following report was read.—

July 20.—Limited in our operations at present to preliminary works at the adit level and surface, this report will necessarily be trief. On taking possession of this mining sett, the tord, with a generous liberality, gave us the use of the buildings erected by the late Goldphin Mine adventurers, consisting of a spacious counting house, masterial house, sawyer's, carpenter's, and smith's shops, together with various walled yards and buildings, sufficient to supply us with abundance of most excellent stone wherewith to erect our engine house, boiler house, and any offices that may be desemed necessary. This boon, as a matter of course, has considerably diminished our outlay and facilitated our progress. The engine-house is received, and will be roofed in the course of a few days, when we shall commence putting together the engine, which is within 4 fm. of the adit level; this shaft is placed so as to intersect two east and west lodes, somewhere about 50 fms. under the adit, where, we believe, owing to a difference in their underlie, the one will be ready to the set of the same and the set of the same Management in London.—Sir John Easthope, Bart., and Charles Morris, Esq., are the two directors, and Henry Bunster, Esq., is the auditor, who go out of office by rotation, but, being oligible, are candidates for re-election. A vacancy has occured in the direction, by the retirement of John Hibbert, Esq.; and Joseph Tasker, Esq., of Middleton Hall, Brentwood, Essex, offers himself as a candidate. but, being eligible, are candidates for re-election. A vacancy has occured in the direction, by the retirement of John Hibbert, Esq.; and Joseph Tasker, Esq., of Middleton Hall, Brentwood, Essex, offern himself as a candidate.

The Chairman, in recapitulation of the principal features of the report, observed that there was nothing very particular therein, except what might be gleaned from the advices of the past few weeks. It merely placed the whole details in a clear and intelligible point of view; and with respect to Esyas, though there had, during the half-year, been considerable changes, there could not be anything said unsatisfactory of it at present, but rather the contrary. Promontorio aircady yielded considerable returns, in proportion to the little which had yet been effected towards the development of the mine; and of Aldana there were great hopes from the indications, although at present there was no particular feature to be noticed different from other mining adventures. With reference to the balance in hand of 84761, of which 70001, were in Exchequer Bills, and 14061, in the banker's hands, and on which there are claims for dividends and serip account, of about 60002, the chairman said, he thought not above 10001, of these claims would be called for, and that eventually about 50002 might be brought into the funds of the association; at present it was necessary to keep the amount in hand to meet any emergency. They had recently sent to Mexico 500 bottles of quicksilver, which they purchased at a low rate (8s. per pound), and, having the opportunity, they considered it the best way of appropriating the small surplus fund then at their disposal.

The report and accounts were then unanimously adopted, and Joseph Tasker, Esq., of Middleton Hall, Brentwood, Essex, was elected a director in the room of John Hibbert, Esq., resigned.—Mr. Taskers returned thanks, and assured the meeting he should devote all the attention possible to the interests of the association. With regard to the new mines, it was not t

At the quarterly general meeting of shareholders, held at the offices of the company, Threadneedle-atreet, on Thursday, the 26th inst.—ROBERT OWEN ALAND, Eq., in the chair—the circular convening the meeting having been read, the purser laid before the shareholders the annexed report:—

read, the purser laid before the shareholders the annexed report:

As so short a paried has elapsed since the shareholders last met, and the interval having been devoted to the construction of the machinery for Craigwen, the directors necessarily have not much to report, but at the next quarterly meeting they hope to be able to show a very satisfactory state of things. Mr. John Taylor, of the Adelpih, has contracted for the machinery, which is now firshed, and the manager of the works at the Rhyd-ynwyn Foundry writes on the 90th inst, saying "Your machinery will be ready to send off in a few days. We have been pressed with some work for spain, or it would have been completed sooner; and in a letter dated yearedray, he states that be has freighted a simil vessel, and would send down a load to-morrow (this day)." Mr. Hugh Jones, under date of the 21st inst. from Dinas, says—"Mr. Taylor has sent a man to make the ground for the wheel-pit, and the foundation for the house for the crashers. He has loft the plans with me; I am ready to go on when I shall receive instructions to do so." The shareholders will, therefore, perceive that the affairs of the company size assuming a more encouraging appearance, and as there is a good quantity of metal ready for crash-

WEST DOWNS MINING COMPANY.

At a meeting of adventurers, held at Tavistock, on the 19th inst., the accounts for nine months to 30th June, were examined and passed, showing—Balance from last account, 3s.; labour cost, 359. 16s. 11d.; merchants' bills, 2021. Its. 11d. =562l. 11s. 6d.—By calls, 120l.; East Crowndale adventurers, on account of burning house, 170l.; dues on 18 tons of tin calcined, at 2s. 6d., 2l. 5d.; discount, 7t. 1s. 8d.: leaving a balance against the adventurers of 263l. 4s. 10d.—A call of 5s. per share was made, payable immediately, and the following report was read:—

July 16.—The lode in the shaft, sinking on the course of the Poldice lode, is about 18 in. wide, composed of capel, spar, mundic, and tin, and at present produces about from 12l. to 14l. worth of tin per fin. It is proposed to sink on the course of the tin lode, while dry weather lasts, so far as practicable with the pumping apparatus now at work. The stopes west from the shaft are for the present suspended, in order to push the sinking the shaft; the lode in this place does not look quite so good as it did some days since, it being disordered by a far course of spar; although at present rather deranged by the Interruption of this spar course, I have observed on similar occasions that the lode under it improved in quality and regularity, and, consequently, expect the same favourable results from this interruption. The end on the copper lode, in the western side of the sett, is suspended, in order to concentrate the whole of the hands on the tin lode; the lode in this not is 10 in. wide, composed of mundic, killas and spar, and not of a very kindly appearance at present, although there have been several fathoms of very kindly ground driven through in this level, in a lode varying from 4 fact to the present size—10 in. I have in the past week examined the River Walkham, and found a lode running between the elvan-course and the killas, about 8 in, wide, composed of capel, nurudic, and from it is course, should you at any time think

ing, with great abundance in sight, there is a certainty of apoedy returns; nething, in fact, but funds is wanting to bring the affairs of the company into complete and exten-

fact, but funds is wanting to bring the affairs of the company into company and calculated reminerative operation.

The directors regret to say, that the calls are not well paid up, and they, therefore, suggest to the meeting the propriety of adopting a resolution declaratory of the determination of the shareholders to ferfoit absolutely all shares on a given day, on which calls due are not paid. The balance-shoet, which is on the table, shows the number of shares in default. Mr. Aland, the chairman, has recently inaspected the mine, in company with a practical miner, and bears his testimony of the value of the sect, and as to the quantity of the metal ready to be brought to surface. The directors hope that that gentleman will be induced to make it convenient to take up his abode at Dinas for some months, to see that the workings are established on a proper and solid footing for regular applies of ore. Hitherto the company has had every difficulty to encounter; but having "won" the ers, it now only requires short and energetic operations to place this undertaking amongst the dividend-paying mines.

Statemant of Receipts and Expenditure on Capital Account, from March 31 to June 50, 1849.

amongs: the dividend-paying mines. Statement of Receipts and Expenditure on Capital Account, from March 31 to June 30, 1849.

 Unpaid call, 4s. per share, due May 1, 1848.
 £ 45 0

 Ditto 10s. per share, due October 2, 1848
 285 10

 Ditto 2s. per share, due April 16, 1849.
 338 0

 Ditto 2s. per share, due June 16, 1849.
 405 0

WEST DOWNS MINING COMPANY.

Total£1293 9 4

Total £1223 9 4

ANTIMONY AND SILVER-LEAD MINE.

Sir,—Frequent allusions having been made to the last report on this mine, and even broad hints made, that the statement presented at the meeting was erroneous, and, moreover, had a tendency to lead the public astray—now, as its author, I deem it an imperative duty to myself and employers to refute such assertions as may be made against it, and openly to defy the proof of any error which may have an injurious tendency toward the adventurer. It is a well-known fact, that civil engineers and mining share dealers cannot agree—the reasons for which are obvious; but I would ask the writers of those anonymous letters if they ever knew a respectable engineer who, when employed by a company to make a public report of their property, was so utterly blind to his own interests, as to risk his reputation by publishing false statements. Such men there probably are who, for a trifling pecuniary consideration, could be influenced by an employer to write anything; but I am happy to say, in the profession of which I am a member, those persons are somewhat rare. It is only within a few weeks I became acquainted with those who formed the Antimony Mining Company. I was employed by Mr. Bartlett to make a careful survey and report of the mine, to prepare working drawings of the necessary machinery, and an estimate for putting the mine down 30 fathoms; and Mr. Bartlett, to assure the company the survey should be perfectly executed, unlimited me as to the expense, and I was allowed to make my own charge; consequently, if any error or misdescription was made, the fault was entirely my own. I commenced my survey on Feb. 26, and completed it in about a week, during which time I employed, and were otherwise assisted by, five mining agents, and many of the working miners of the neighbourhood, on whose opinions I have every reason to place the greatest reliance. My observations on the main lode are from occular demonstration, having been taken nearly 20 firm, deep in Wheal Sarah, the adjoining miners of the ne CARADON WHEAL HOOPER MINING COMPANY.

At a meeting of adventurers, held at the Black Lion, Exeter, the accounts were examined and passed, showing a balance in favour of the mine, 2041. 10s. —A call of 2l. per share was made, payable in 28 days.—It was resolved, that Mr. Jury be paid 2l. of the 6l. claimed by him; that a paid auditor was not necessary; and that the committee of finance consist of Messrs. Chammy, Otten, Harvie, Gillard, Vatcher, Harding, Maddox, Canning, Tricket, and Rev. J. Carthew.—The following report was read:—

The operations carried out in the 58 fm. level, south of the shaft, have been progressing, but the lode has not yet been seen in this level: from the appearance of the ground, however, and the large quantity of water issuing from the end, I think we have a large lode a-head, and that it will be a productive one. A lode out in driving in this level; a fine, behind the present end, underlaying south, is regular and compact, varying in size from 6 to 20 in. wide, and will produce from 10 to 18 cwts. Of tich copper ore per fm.; the county cannot produce a healthler looking yellow ore, and this ought to encourage the adventurers to perseverance. The lode in the present end east is from 20 in. to 2 ft. wide, an orey lode with an improving appearance. I have not the least doubt but that we shall have a good ocurse of copper in the end shortly; up opinion of this mine is, that if the lodes have a fair trial in the killas, they will more than remunerate the shareholders for their onliny. I am still strongly of opinion that Caradon Wheal Hooper will be a first rate mine. In the shaft, since the meeting in May, a witim plat has been out 10 ft. wide and 12 ft. long, a penthouse put in all over the shart to take up the water, and the lift taken in the plat; before we could commence these operations we had to get materials, which caused one week's delay. The shaft is unk 2 fans. 3ft. below the 98, and is now in a beautiful strate of decomposed granite, much like the South and West Caradon ground, n ANTIMONY AND SILVER-LEAD MINE

MINING JOURNAL AND ST. JOHN DEL REY MINING COMPANY.

Old Broad-street, City, July 25.

MINING JOURNAL and Sr. JOHN DEL REY MINING COMPANY.

Six.—In making a few remarks upon an article under the above title, in a contemporary, it is not necessary to touch upon the alleged motives of your correspondent, "I. F." (Mining Journal, June 20)—to those interested in the matter they are of no importance, if he tells the truth. The writer says, "that "I. F." a ttacks are unsupported by any proof whatever, but solely based on assumptions, which the co-npany's published reports completely contradict," and goes on to give an extract from his letter, stating that in 1847 each borer broke 19-28 tons of stone per month, and the mining captain hoped they would average 22 tons in 1848. That in 1848 the average was 26½ tons. Are therefore facts or fictions? The paragraph in "I. F." letter, immediately preceding this extract, should also have been capied by your contemporary. It states that in 1847 the mortality was 2.6 per cent., and in 1848 it was 5.26 per cent. on the entire black population, and 8 per cent. on the borers, all young and strong men. If this be true, it would be difficult to believe that the great and unanticipated increase of the work done by the borers had no connection with the increased mortality. The next comment is upon "I. F.'s" statement, that in the first three months of this year 20 blacks had died out of 1100, amongst, whom not 20 had reached the age of 50 years. No report referring to this period has been published. If "I. F.'s" assertion be untrue, it is surely of safficient interest to the shareholders to be officially contradicted. Your contemporary observes upon this, that "I. F." insidiously attempts to cast discredit on the published statements of the directors regarding the treatment of the negroes, leaving out of sight the sum in hard cash paid—cheerfully paid—by the company, to promote their pleasure and comfort. I cannot see how "I. F." can be said to throw discredit upon statements which he copies verbatim, and, believing their truth, draws f

PENNANT AND CRAIGWEN CONSOLIDATED LEAD MINING CO.

supply the stamps with stones; that the ere would fall off in value, the so being worked too wide; and that the expenditure would be augmented. Ortnight after you published "I. F.'s" letter, your Journal contained a report in Morro Vello, dated 8th May, saying, "that although kept up with great rit, the supply of stone was not sufficient, and during the month 462 tons to been taken from the refuse heap." In the same document, the costs are en at rs. 45,796 175, which is the highest figure yet attained. As to the lith of the workings, more especially in the Middle Cachoeirs, I may, pers, shortly address you.—Verax: City, July 26.

MINING IN NEW ZEALAND.

SIR.—By communications I have just received from the colony, I am glad to inform you that the Kawaw Mine is progressing most satisfactorily. It appears that, from the large proportion of sulphur in the ore, several instances of apontaneous combustion in the holds of vessels had taken place, which made masters afraid to take in the ore, and it was with great difficulty they could get it shipped: under these circumstances, it was determined to calcine and smelt the ore on the spot, and for this purpose works have been erected with great perseverance, which were expected to be in active operation by May or June. The mine itself, it is believed, will prove a second Burra Burra; for, although the ore is not quite so rich, the expense of carraage to the port will be saved—by itself a good profit—while the quantity of ore is said to be apparently inexhaustible. During the last four years, although there has been no ore raised, the works have been going on vigorously, and the riches of the mine are now conspicuous. Four shafts have been sunk, varying from 18 to 32 fms.; an adit level driven in the hill at a depth of 16 fms from summit; three levels have been driven respectively 120, 44, and 70 fms. on the course of the lodes, leaving in sight at least 100,000 tons of ore, which may, it is calculated, be raised to surface for the extrordinary small cost of 1s. 3d. per ton, The cost of sinking the shafts varied from 40.t to 80.t; and driving the levels from 10.t to 16! per fm. There were, at the dates of the last advices, 1000 tons of ore at surface ready for smelting; and it was calculated that the calcining-house would calcine 144 tons per week. Sixteen miners lately left the mines for Sidney, consequently there were but six men at the Kaw-aw; but these, it was estimated, could raise 60 tons per day, and thus about keep the calcining-works and furnaces in full operation. It was a general opinion in the colony that, if encouragement was given by Government, New Zealand would become a most important mining district, as m

EAST BIRCH TOR TIN MINE.

EAST BIRCH TOR TIN MINE.

Str.—In reading the reports from various mines, in the Journal of the 7th inst., I notice one from the above mine, in which it is stated that a great improvement had taken place in the adit level, and fine rocks of tin had been taken up. I was glad to see this, although I am in no way connected with the mine or the company. One day last week I happened to pass by the mine, when I saw the rocks of tin alluded to, and I must say I was agreeably disappointed, for often I have found reports of too high colouring; but the case was not so here, and Capt. Browning might have safely said more. However, it must be a matter of consolation to the shareholders to know they have now on surface 300 sacks of tinstuff, and in it the finest rocks of tin that have been seen in the mine for years past—in fact, I have not seen such in the county before. Capt. Browning informed me that the mine was almost at a stand at present, but will shortly be worked with great spirit. Should this be the case, it is my opinion, judging from what I saw, that the adventurers will reap ample reward.

To the east of East Birch Tor there is another mine opening by a company of Bristol gentlemen, under the name of Devon Great Tincroft. Here a shaft is sunk on one of East Birch Tor lodes to the depth of 20 feet, and some good tinstuff taken up; the lode is 18 in. wide, and worth 61 per fm.; but, in consequence of the water, they were obliged to stop sinking the shaft, and are bringing up an adit level, which will come in under the shaft 90 feet deep. Should the lode hold down good to this depth they will have a quantity of ground to be taken away upon tribute, and will be able to make a return upon a small outlay. They will also be able, by a cross-cut from this adit level, to intersect eight other lodes at 90 ft. deep from surface; and should these lodes be found good going east, every fathom will be still giving a greater back, and no steam nor water power will be required to drain the mine. Such advantages as these can be

WHEAL OAK-WHEAL ENNIS.

WHEAL CAR—WHEAL ENNIS.

Sir.—I am aware of your desire to furnish any information relative to mining, and being an adventurer in Wheal Oak and Wheal Ennis Mines, situate in Wendron, Cornwall, both under the same management, which I am happy to say is highly respectable, I cannot help expressing my surprise at reports of both mines not appearing in your Journal. Some weeks since I was pleased at reading a notice of the former, and regret communications are not sent (say monthly) for the satisfaction and information of shareholders who, like myself, reside at too great a distance to see the weekly reports which are furnished to the purser, at Falmouth; and I hope he will see the propriety, in future, of adopting this suggestion.—Hexey Rowe: Exeter, July 24.

[We shall have pleasure in publishing any authesticated reports which may

g this suggestion.—HENRY ROWE: Exeter, Juny 24.

[We shall have pleasure in publishing any authenticated reports which may furnished us for that purpose. Indeed, we are repeatedly urging on purser d others the importance of forwarding us reports and other particulars of untakings in which they may be interested, not only for the information of venturers, but for the guidance of parties intending to become shareholders prections for our share list are also at all times most acceptable.]

WHEAL ROBINS.—In consequence of demands on this mine, and proceedings at law being threatened, a meeting is called, to be held at Webb's Hotel Liskeard, on Wednesday, the 8th of Angust next, at 3 o'clock in the afternoon to consider and adopt measures for discharging liabilities, and for winding-up the of the beautiful of the constant of the consta

to consider and soops measures for discharging insoluties, and for winding up the affairs of the company.

Lake Superior Copper Region.—By information from the United States, we learn that the shipment of copper for the season has actively commenced. Several vessels have landed valuable cargoes of provisions, and re-shipped copper, taken almost in a state of purity from the earth, at a depth of from 40 to 60 feet. Boulders of iran ore are found so rich, as to require only remelting and casting to be ready for manufacture, and are superior to the famous iron mountain of Missouri. A company from Michigan is now at work, making it into blooms and shipping it for market. The Pittsburgh Copper Company has now 150 men employed at its works at Eagle River—4 officers and 146 miners and labourers. Its buildings form quite a little village of 25 houses, with 300 inhabitants, having its clergyman, doctor, and schoolmaster. The company has also works at Pittsburgh, for smelting and refining its masses of native copper, turning out 20 tons of ingot copper per week. The company has induded a capital of \$120,000 in explorations, locating its tract, paying for its land—over 5000 acres, at \$2\frac{1}{2}\$ per acre—in opening its vein, steam-engine, stamp—works, &c. It made its first dividend last winter—\$10 per share, or 50 per cent. on the entire investment. It brought about 800 tons of crude copper to market last year, and expects to do nearly as well hereafter.

ACCIDENTS.

Durley Main Colliery again.—On Tuesday morning, about eight o'clock, an ignition o the fire-damp took place, which caused the workpeople to be so much alarmed, that they off their work; but, happly, the gas was not in such a body as to cause an explosion. Ithough no damage was done, much alarm was exhibited in Barnaley by the relatives and friends of those employed in that pit.

Plant_At the accounts (second but the cathetic forms).

no presents of these employed in that pit.

Pliat.—At the coroner's inquest, held on the bodies of the eight victims by the rope reaking at Mesars. Eyton's Colliery, a verdict of "manslaughter" was found agains awid Hughes, the man who had the charge of the engine at the time of the accident, and ywhose carelessness it happened. The usual signal for coals to be drawn up is three nocks with a hammer, and a fourth distinct blow when men are to be raised. It is suped Hughes had misunderstood the signal, as he was generally considered a careful can; but was not the regular engineer. He tried, when too late, to stop the engine, but eithers success.

rdsley, Staffordshire.—J. Fox (13 years) died from burns received by an exploy-dsmp in the colliery of Messrs. Oakes and Jones, at Standhill, after lingering to the June last.

June last.

—D. Pitchford (18 years) fell a victim to the ahameful practice of leaving old other shafts totally supprotected; he was flying his kite, and walked backwards We are happy to find one of the jurymen had the independence to stand out for of manufaculative against the owner of the pit.

West Brossich.—As some colliers were descending to their work at the Queen Pit, belonging to J. Tildersley, Esq., they heard a loud crash, and, on reaching the bottom, found an immense mass of coal, 10 yards thick, had failen, and blocked up the workings. One man was missing, but after some hours labour he was rescued, unhurt.

One man was missing, but after some hours labour he was rescued, unhurt.

Wolverhampton.—T. Francis, while engaged driving a horse and skip in a stone pit at Priestfield, was killed, through being jammed against the side of the gate road, by the horse suddenly starting off.

Pen-y-durren.—T. Williams was killed by falling down a shaft at the Race Las Pit.

Marthyr.—W. Thomas was killed by a fall of earth.

Linds.—J. Reighley and W. Charlesworth entered the Waterloo Pit, at Thorp Hall, with a naked candle, in direct opposition, it is said, to the continually expressed desire of the owners and the viewers, when the consequence was an explosion of fire-damp, by which both men lost their lives.

Deshers of Mail fed down the Thorpher Pit of the Matters same and was killed

on mea rest mer nyes. mg.—G. Half fell down the Thornley Pit at the Hutton seam, and was killed.— Raffel died from consumption, brought on by being injured from a fall of rop

Thomas reams are not in the Tamar.—We are glad to learn that, at a late meeting of the committee of the Humane Society of Plymouth, it was agreed to award two sovereigns and a bronse metal to Thomas Carna, the Corniah miner, who, same weeks ago, so nobly succeeded in saving the lives of nine persons out of the 13, who were overturned in crossing the Tamar, near Wheal Maria Mine.

NEW SMELTING ESTABLISHMENT IN WALES

elting establishment is spoken of, to be established at Dmas Mowddw A smelting establishment is spoken of, to be established at Danas Mowddwy, in connection with the mining companies in that locality, of which the principal are the Pennant and Craigwen Consolidated, the Cowarch, Foel Rhudd, &c. This is to be effected by those identified with the mines, and not as a separate association for smelting apart from mining, so that the real producers of the ore will reap the fair and legitimate advantages of their labour, instead of receiving an inadequate price for the mineral, and leaving the smelter the lion's share for converting it into metal. The following estimate has been made within a few months, from actual examination of the Craigwen ores—namely:

2240 lbs. Deduct interest for plant 0 10 0

FOREIGN INTELLIGENCE.

CALIFORNIA.—We have been favoured with the following translation of extracts from letters from California, published on the 5th June last in the Zacateno, a Mexican newspaper:—"It is impossible to describe the labour and misery suffered by those who go to the 'placeres.' From Stockton the passage of each person costs \$30, and for every 100 lbs. of luggage he carries he pays \$6. of each person costs \$30, and for every 100 lbs. of luggage be carries he pays \$6. In Stockton, he who has no waggons pays for freight to the 'placer' of Estanislao 6 ra. (3s.) per lb., the distance being 25 leagues. If he embarks for the Sacramento, the passage to Sutter's Fort costs \$35, and \$14 per 100 lbs. of luggage, and from thence to the 'placeres' 8 rs. per lb., enormous for men who have arrived in parties of 40 and 60, and with provisions for six months. Those who go by land, in order to avoid these heavy expenses, purchase bad waggons for \$500 or \$600, and yokes of oxen for \$200 and \$250, and each waggon requires three yokes; but they get disheartened, as after all they themselves have to go on foot, because for horses worth \$14, the people of the country demand \$150 and \$200. From Yerba-buena, or Puerto, of San Francisco, the "placeres' are distant 30 leagues; the whole of the road (after passing the Rancho of Las Positas) without any resting-place but the ground, with the risk of losing the lives of men and animals, there being immense sandy plains, without water or pasture, and many animals are drowned in attempting to pass the rivers of San Joaquin and Estanislao. The 'placeres' are at the foot of the snowy mountains which run to the north-west and north-east. Nobody can form an idea without visiting them, of the immense labour which it costs to extract the gold; it may be safely asserted, that of a hundred men, two of them do not obtain gold enough to repay them for their heavy expenses. Instead of extracting the gold with the ease spoken of (with the point of a knife), excavations are opened of two to three yards in length, and one or more yards in depth, working with bars, and with the water, perhaps, up to the knees, under a fiery sun, which make the after cold more felt. Only strong men, and those accustomed to it, can stand such work; and although there are such, they obtain nothing, because, after all, they are mines, and nobody has extracted what may be considered a fortune. I have seen ma In Stockton, he who has no waggons pays for freight to the 'placer' of Esta-

SOUTH AUSTRALIA.-Advices from Adelaide to the 20th April have been received. The official statement of trade for the past year had been issued, and ted the value of imports at 346,1371, while the exports amounted to 465,8781. The value of the produce exported in the last half of the past year was 208,2661, of which there were 9288 tons 15 cwts. of copper ore, valued at 174,8491; lead ore, 359 tons, valued at 50021; copper, 3½ tons, valued at 2151; was 208,266L, of which there were 9288 tons 15 cwts. of copper ore, valued at 174,849L; lead ore, 359 tons, valued at 5002L; copper, 3½ tons, valued at 216L; lead, 6½ tons, valued at 104L. The most important event in the colony, however, was stated to be the successful establishment of the smelting works. The Patent Copper Company's works, on Napier's patent, near Koringa, on the Burra Burra, commenced smelting on the 15th April, and it was intended to continue them at the rate of 800 tons of ore per month. Messrs. Penny and Owen had succeeded most admirably in their copper smelting works at Aporinga. After struggling for a long time with the difficulties which always attend the establishment of anything new, especially in a new colony, these works are said to be now in steady operation—one furnace having been in activity for a week, with results never equalled in any part of the world, and never even contemplated before the discovery patented by these gentlemen. It will be sufficient to say, that in a single operation, and six hours after the furnace is charged, the copper is turned out as tough and as fine as it was ever produced in Swansea, or anywhere else, with the seven processes then in use. We are informed that the first remittance of copper may be expected in town next week. The steam-tug, *Adelaide*, had arrived after a safe passage of 150 days. The peculiar nature of that roadstead will render this tug a most important convenience to the shipping touching at the port of Adelaide, and, it is to be hoped, will also prove a profitable investment to the spirited proprietors.

The mining interests were suffering from a scarcity of money (which is still worth 20 per cent.) and, under such circumstances, the market for shares was foroping. Few of the adventures recently commenced were making much progress, but the leading company, the Burra Burra, was prospering, and the quotation for its shares was 1701; Belvideres 7t, sellers at three months, 6L. As; in North Kapunda shares there have been several transac

from Adelaide to the port was occupying attention.

The last advices from Portland, contained in the Sydney papers, give a most favourable description of the condition of the crops. There is also in the same journals further news from Swan River. Continuous discoveries of coal in the neighbourhood of King George's Sound, it is remarked, "will, in all probability, assist in recovering to some degree of position this unfortunate place."

Labuan—Letters from this island are to 24th May. Regarding the coal mines, it is observed—"Every examination has served to confirm the expectations of their value, with respect to extent, richness of the seams, and facility of working. Competent and disinterested parties remark it will be found that a prize of more value than was at the time dreamed of has fallen into the hands of the Eastern Archipelago Company."—The rainy season had commenced, and had ushered in fever in its most fearful type. Mr. Motley, the company's agent, who had arrived to superintend the working of the coal seam, was seized, and was obliged to be removed for restoration to health.

The Singapore papers reach to the 31st May. With regard to local affairs

The Singapore papers reach to the 31st May. With regard to local affairs they give little news of interest. The supply of gutta percha was increasing and some imports of the article had latterly been received from a place called Coti. The last advices from Batavia stated that the new expedition to Bally was progressing slowly, a want of stores and provisions preventing its early departure. An expedition to New Guinea was also, it is said, contemplated, with the view of maintaining Dutch supremacy, and of counteracting the presumed designs of British diplomatists.

The Jeffersonian Monitor of Tayer asserts the contemplated of Tayer asserts the C

The Jeffersonian Monitor, of Texas, asserts that gold exists in the Wachita fountains to an equal extent to that in California; and the Arkansas local urnal states that gold has been discovered in that river.

NORTH BRITISH AUSTRALASIAN COMPANY.—We understand that Govern Grey has commenced proceedings, by scire facias, to repeal the grant of twhole island of Kawaw to this company.

THE NEW COPPER-WORKS, AT RED JACKET, NEAR BRITON-FERRY.—It affords us much pleasure to state that there are eight furnaces, and other apparatus so far completed, as to be ready to be put into operation for smelting copper (it is expected this day), under the superintendence of Mr. Bankart, the patentee from London. The buildings were erected by our townsman, Mr. Renoden, and his son; they have been visited by many competent judges from the neighbourhood, and have been declared to be executed in a masteriy style.—Cumbrian.

Current Brices of Stocks, Shares, & Metals,

3 per Cent. Reduced Ann., 93 † 3 5 per Cent. Consols Ann., 93 † 3 5 per Cent. Ann., 93 † 3 5 per Cent. Ann., 93 † 4 Long Annulties, 8 † 9 India Stock, 10 per Cent., 251 50 5 per Cent. Consols for Acc. 93 † 3 † 8 Sæcheq. Bills, 1000f., 14d. 47 50 pm.

MINES.—The share market, during the week, has not pres approaching to activity; still, on the aggregate, a fair proportion of business may be considered done. The reports from the mines, and our correspondence from the respective mining districts, speak favourably of the improved es and mining interest generally.

dence from the respective mining districts, speak favourably of the improved aspect of the mines and mining interest generally.

Devon Great Consols is represented to maintain her general character of looking well. Transactions in a few shares have been done this week. After payment of the dividend of 61, per share, declared on the 18th, and announced in our last Journal, there remained in hand a balance of 18,3941. 19s., consisting of Exchequer Bills, bills for oses sold, and cash at the banker's.

West Providence meeting declared a dividend of 21. per 256th share; the mine is reported to be looking remarkably well.

East Wheal Rose is represented to have much improved of late, and to continue in a progressing position. South Basset is also stated to be looking remarkably well; buyers are to be found in both mines.

Bedford United shares have been rather in request during the week. The sale of 115 tons of copper ore, last week, gave a profit of about 4001 for the month of June. East and South Tamar are represented to have improved, and business done in both mines.

A great many shares in Taeleigh Consols have changed hands, and buyers are still to be found. Inquiries are being made for Trelawny, Tincroft, Tamar Consols, and Mendip Hills.

At Tregorden Silver-Lead Mine, near Wadebridge, a very important discovery has been made. It appears the workings have for some time been on the east wall of the lode; and, in driving a cross-cut west, a course of ore has been cut, worth 151 per.fm.

Shares in the following mines have changed hands this week:—Devon Great Consols, East Wheal Rose, Bedford United, South Basset, South Frances, East Tamar, Treleigh Consols, Trelawny, South Tamar, Tincroft, Tamar Consols, Brewer, Treviskey and, Barrier, Lewis, Wellington, Eagair Lil, Herodsfoot, Cwm Erfin, Alfred Consols, Mendip Hills, Tregorden, Condurrow, &c.

In foreign mines, the principal business appears to have been in St. John del Rey, United Mexican, Guadalcanal, Asturian, Cepiapo, and Australian, al-

Brewer, Treviskey and. Barrier, Lewis, Wellington, Eagair Lli, Herodsfoot, Cwm Erfin, Alfred Consols, Mendip Hills, Tregorden, Condurrow, &c.
In foreign mines, the principal business appears to have been in St. John del Rey, United Mexican, Guadaicanal, Asturian, Copiapo, and Australian, although the whole transacted may be considered of rather a limited character.

The adjourned meeting of the East and South Tamar Mines was held at the offices on Thursday, when it was found that all the calls had been paid for the forfeiture, of which the meeting was adjourned to that day. A call of 2s. 6d.

per share was deemed necessary for the further prosecution of South Tamar, and made accordingly. The mine is represented to have considerably improved, and that 45 tons of silver-lead ore, it is expected, will be ready for sampling by the middle of next month.

East Godolphin meeting was held on the 20th, when the accounts for four months, up to June, were andited, showing a balance against the adventurers of 3761. 11s. 11d., to meet which, and for further workings, a call of 50s, per share was made. A full report of the meeting is given in another column.

The quarterly general meeting of the Pennant and Craigwen Company was held at the office on Thursday last. The report was considered to be astisfactory; it shows that the necessary machinery (the want of which has so much retarded the progress of the undertaking) is now on its way to the mines. It was asserted at the meeting, that the estimated value of ore laid open is 10,0001, and that a considerable supply was ready at surface waiting for the crusher. The balance in the company's hands is 8441, in addition to 10931. 10s. arrears of calls, and in respect to which it was resolved, that all shares on which such calls are due shall be forfeited, if not paid before the expiration of one month. The machinery has been constructed by Messrs. Taylor, of the Adelphi, at the Rhyl-y-Mwyn Foundry, near Mold.

At the West Downs meeting the accounts showed a balance against the min

At the Wost Downs meeting the accounts showed a balance against the mine of 2631. 48, 10d. A call of 5x was made.

At the Caradon Whead Hooper meeting the accounts showed a balance in favour of the mine of 2041. 10s. A call of 22, per share was made.

The report read at the United Mexican meeting gives a clear exposition of the affairs of the company, which are of a highly-promising character, full particulars of which will be found in the report, and some general observations, in another column.

The Copjapo half-yearly meeting was held on Thursday, when the balance-sheet presented showed a credit of upwards of 5002 in favour of the company. The directors' report is very satisfactory, and staring that 1012 tons of copper ore had arrived since the last meeting; 552 tons had been sold, realising 191. 14s. per ton, by which a net profit of 21020, had been made. By the arrival of the Balgoanie with 450 tons, 350 tons, romanned at Swannes for sale, whilst the Balgoanie with 450 tons, 350 tons, romanned at Swannes for sale, whilst the Balgoanie with 450 tons, 350 tons, romanned at Swannes for sale, whilst the Balgoanie with 450 tons, 350 tons, romanned at Swannes for sale, whilst the Balgoanie with a quantity of necessary materials; and a construction of a large interest in some valuable silver mines since the last meeting, have placed the company in a most important and improving position; 1279 marcs of silver, the produce of two mines, were received by the Tay on the 3d instant, which have realised 22444. Its. 2d,, and a further remittance of 2000 anexes is expected by the next mail. The last advices from the mines were of a very gratifying character; exclusive of the Boulance shareholders is to take place on Wednesday next, when we trust to see a full attendance, and that the result of the discussion will be a determination on the part of the proprietors to secure to themselves the advantage which the promising mines of the Cerro del Boto Mine hold out. In another column will be found advices from Mexico, receive

provements, which are mainly to be attributed to the introduction of the tribute system are such as fully to justify the adoption of that judicious method of working. The estimates for the months of May, June, and July, 1848, were 27 tons of fine copper; while the estimates for the corresponding period this year is 32 tons, being an increase of 5 tons. The returns for the month of April have exceeded the estimates by about 2 tons, and fully corroborate the favourable anticipations which we had previously expressed.

The Bolanos Mines letters are to the 4th June, and were received on the 23d inst. The engine at El Bote Mine had been completed, and the water drained in San Genaro shat, so as to enable them to commence driving Taylor's cross-cut, which had been extended 14 vars during the week. Operations had commenced, and preparations making, at the different points from whence ore was, and expected to be, raised. During the last fortnight 182 cargas had been extracted, principally from the Compania level east, but which had since failed; still their anticipation of general improvement is reasonable, as they had not reached the ore ground to which they were approaching.

The Australian Mining Company have received advices from the mines to the 7th April, from which it appears that about 780 tons of ore have been reised from the commencement. At Anstey's shaft, the operations in the 40 fathom level, north and south of Goad's winze, continues productive, which has recently improved by a discovery of a course of rich ore, running on the opposite wall of the lode. In the lode in the 40, north from Harvey's cross-cut, a

anything business

nt disco-been on ore has on Great ces, East Consols, rodsfoot,

John del lian, al-aracter. ld at the d for the f 2s. 6d.
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P

Names of Railways.

Aberdeen
Belfast and Ballymena
Birkenhead, Lancashire, & Chesh.
Bolton, Blackburn, & West Yorksh.
Bristol and Exeter
Caledonian.
Chester and Holyhead
Dublin and Ringstown
Dundee, Perth, & Aberdeen Janc.
East Angilan (Lynn to Ely)
East Lancashire
Eastern Counties and Norfolk
Eastern Union
Edinburgh and Glasgow
Edinburgh and Northern
Glasgow, Paisley, and Ayr
Glasgow, Paisley, and Ayr
Glasgow, Paisley, and Ayr
Glasgow, Paisley, mad Ayr
Chothern & Western, Ireland
Great Western
Kendal and Windermore
Lancashire and Yorkshire
Liverpoel, Crosby, & Southport.
London and North Western
London and North Western
London and South-Western
London and Great Western (Irish)
Manchester, Sheffield, & Lincolnsh.
Midland Great Western (Irish)
Monklands
North British
Scottish Central
Shrewsbury and Chester
South Devon
South-Eastern
Taff Vale
Ulster
West Cornwall
Whitelaven Junction
York, Newcastle, & Berwick
York and North Midlirnd

JOINT-STOCK BANKS.

of the members to satisfy his claim. The rule was discharged, with costs.

COPPER SMELTING ABROAD.—The cost of smelting, at the Alten CopperWorks, a ton of copper ore, of 6gths per cent., is \$7\(\frac{1}{2}\) (38a.) The production
of a ton of copper from ores of the above per centage \$107.23 skil. (28l. 5a.);
1\(\frac{1}{2}\) ton of coal is used in the reduction of a ton of ore. The cost of the coals
is about 16s. per ton.

Testimomial to Mr. William Hichers, of Cook's Kitchen Mine.—Mr.
Hichens having announced the necessity under which he felt himself of resigning his agency in Cook's Kitchen, in consequence of long continued and increasing ill-health, the men employed in the mine unanimously resolved to
raise a subscription among themselves, for the purpose of presenting some mark
of their respect and regard to one with whom they had been for tweive years working so
harmoniously and so satisfactorily. With the assistance of the agents, the subscription
wish a purse of twenty guineas added by the adventurers, in purnance of a resolution
sympathy and attachment on Wednesday last. On the vase were they kind mark of
sympathy and attachment on wednesday last. On the vase were they kind mark of
sympathy and attachment on wednesday last. On the vase were the following inscripsented to Mr. William Hitchens, by his brother agents and the miners of Cook's Kitchen,
as a mark of their high estimation of the sterling principle and anniability which unijormly characterised the performance of his official duties.

RAILWAY TRAFFIC RETURNS.

| Length. | Present ac- | Price | Div. | Traffic R | 1849 | 1848 | tual cost. | p. share | 1848 | 1849 |

481 946 237

PRICES OF MINING SHARES.

course of solid ore has been cut, averaging full 26 per cent. for copper. The lode south from the cross-cut, in the same level, is considered equally valuable. Other points are considered equally important: 86 men are engaged in raising one, and 100 tons may be expected for the month of April. The properts of the mines are encouraging, with every appearance of progressive improspects of the mines are encouraging, with every appearance of progressive improspects of the mines are encouraging, with every appearance of progressive improspects of the mines are followed in the state of the series heap.

Been Barosas Ranges, advices have been received from Adelaide, which we had to to give in our naxt. The reports from the mines are favourable, and 40 ton give in our naxt. The reports from the mines are favourable, and 40 ton give in our naxt. The reports from the mines are favourable, and 40 ton give in our naxt. The reports from the mines are favourable, and 40 ton give in our naxt. The reports from the mines are favourable, and 40 ton give in our set of formation, with a capital of \$700,000, in 550 shares, of \$2000 each ourse of formation, with a capital of \$700,000, in 550 shares, of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares, of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares, of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares, of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares of \$2000 each, ourse of formation, with a capital of \$700,000, in 550 shares of \$2000 each part of the part

LATEST CURRENT PRICES OF METALS.

LONDON, JULY 27, 1849.

TIN-PLATES. 1
IC Coke... TIN-PLATES. 1
IC Coke... per box 1 6
IC Charcoal 10-1 11
IX ditto 110-1 11
IX ditto per ton 15 0-15 5
Ditto, to arrive 2100. n
English sheet per ton 22 0 0

QUICKSILVER 0 ,..... per lb. 0 3 2

EXPORTATION OF THE PRECIOUS METALS.—The following are the official returns of the exports of gold and aliver from the port of London for the last week:—Silver coin to Hamburgh, 149,918 ounces; ditto to Belgium, 28,000—Silver bars to Hamburgh 14,800; ditto to Maurilius, 31144.

CURRENT PRICE OF GOLD AND SILVER.

Foreign gold, in bars ... per cs. £3 17 9 | New dollars per cs. £0 4 102

Portugal pieces ... 0 0 0 | Silver in bars (standard) ... 0 4 112

LEAD ORES.

Purchasers.

6 Mather & Co.
0 J. P. Eyton.
0 Walker, Parker, & Co.
0 Mather & Co.
1 J. P. Eyton.
0 Walker, Parker, & Co.
0 Mather & Co.
1 Mewton, Keates, & Co.
1 Mather & Co.
2 Walker, Parker, & Co.
3 Walker, Parker, & Co.
4 Walker, Parker, & Co.
5 Walker, Parker, & Co.
6 Walker, Parker, & Co.
7 Mather & Co.
8 Walker, Parker, & Co.
9 Mather and Co.

Miner, Tons. Price per Fon. Purchasers.

East Crowndale...... 6£38 10 0 ... J. H. Enthoven & Co.

COPPER ORES. Sampled July 11, and Sold at the Royal Hotel, Truro, July 26, 1845

Connell Mil	Tons.		P	rice,		Royal Hotel, Truro, J Mines.	234		-	Pri	_
ditto	96	****	20		6	Par Consols	64			16	
ditto	84		9 1		6	ditto	47		20	10	(
ditto	82	** **			6	South Caradon.	62		. 0	. 9	6
ditto	71	****	5 1		0	ditto	60		0	10	0
ditto			7		0	ditto	54		9	14	6
	61	****		7 (6	ditto			7	13	0
ditto	- 59	** **	2 1	0	6		40	****	7	6	0
ditto	55		3	6 6)	Trethellan	21	****	4	3	6
ditto	51		5	9 (6		92		1	17	9
ditto	44		4 1			ditto	52	** **	3	13	0
UnitedMines	103		2 1			ditto	50		2	16	0
ditto	100			7 6		ditto	28		2	3	6
ditto	99	****		9 0		Wh. Comfort .	91		1	8	0
ditto	84	****	3			ditto	55		9 1	15	ŏ
ditto	77	****				ditto	54	****		5	o
ditto	68		2 18			Perran St. Geor	rge 47	****		15	
ditto	58	** **	9 1	6		ditto	36		0 1		6.
ditto	54	****	2 14			ditto	31	-		0	
Treviskey		****	1 17		- 1	ditto	22	****	5 1	4	0
ditto	107		7 1	6	- 1	Wh. Mary Cons	ols 69	****	2 .	8	0
ditto	69	****	5 14	0	- 1	ditto	56	****		0	6
	65		9 10	0	- 1			****		8	6
ditto	54	****	4 14	6	- 1			****	4 1	3	6
ditto	37		3 19	0	- 1	Gramb & St. 4	55	****	5	8	6.
ditto	21		3 5	0		Gramb. & St. Au			4	3	6.
Fresavean	101	****	3 8	0	- 1	ditto	35		7 1	4	6.
ditto	98		3 17	6	- 1	Wh. Ellen	• 39	****	4 15	2	6
ditto	61		2 15	0		ditto	24		5 8		ŏ
ditto	53		4 4	0		ditto	6		9 6		ě
ditto			9 0		- 1	Treleigh Consols	. 37		3 1		6
ar Consols	100		0 2	6	- 1	ditto	26		1 9		8
ditto	00		5 3	6		Richards's ore	. 18		3 1		6
	0.0	****	4 15	6	1	Wh. Tolgus	. 4		3 9		
			TO	TA	r. pp	ODUCE.		****	9 3		0
onsols Mines	708		9600	10	011						

Consols Mines 708 £3669 10 0 Perran St. George 136 £753 16
United Mines 643 2897 1 6 Wh. Mary Consols 125 517 0
Treviskey 353 2237 7 6 South Toigus 123 5166-75
Par Consols 298 1344 9 0 Wh. Ellen 69 322 18
South Caradon 237 1474 11 6 Treibigh Consols 63 419 10
Trethellan 292 550 18 0 Richards's ore 18 55 7
Wh. Comfort 200 427 3 0 Wh. Toigus 13 16

COMPANIES BY WHOM THE ORES WERE PURCHASED.

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Tons. Amount.

Tons. 4270 7 9

287 4170 7 9

Vivian and Sons. 287 42100 7 9

Freeman and Co. 534 2056 1 6

Freeman and Co. 720 2819 16 3

Williams, Foster, and Co. 840 4990 15 9

Schneider and Co. 334 1646 8 0

•	Mines.	Tons:	Dand					1	
	Mines. Berehaven ditto	.130 .128 .126 .124 .106 .103 .104 .96 .97 .70	102 7 102 6 104 7 104 6 104 7 134 9 134 9 134 8 134 8	8 6 3 6 2 0 16 6 9 6 5 6 10 0 8 0 18 0 19 6 15 0	Mines, Knockmahon ditto	97 79 78 64 59 50 6 6	Prod. 4	2 12 6 6 6 15 13 7 11 7 9 9 8 18 8 10 2 12 4 0	0006666060
	ditto	70 67 50 108 50 49 48 47 246 237 229 2	134 8 9 1 14 14 15 15 134 8 15 17 19 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 18 18 18 18 18 18 18 18 18 18 18 18	19 6 15 0 16 6 2 6 6 17 6 1 11 0 1 6 0 9 0 7 0 T 8 6	ditto ditto ditto Burra Burra. Sascoyne Slag. Holden Siag. Lackamore ditto di	35 24 77 60 57 40 7 18 7 2 2 2 2	41 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 12 4 0 1 12 1 13 1 15 1 14 4 10 6 0 6 8 0 6 0 6 0 7	60060650
ı	Berehaven		€ 5166 4	6 , G	ascoyne Slag.	60	A 100	22.70	

NOTICES TO CORRESPONDENTS.

*• We must impress upon our correspondents, the necessity of invariably furnishly us with their names and addresses—not that their communications should, co sequently, be noticed, but as an earnest to us of their good faith.

Now. Superscore. But of the property of the property of the property of the Liespace of the Li

elastic atmospheric tube.—For "P.'s" information, we may state, that this application is one of the principal features in their patent, and has not been lost aight of.

House-Powers.—It is well knewn among engineers, that a horse is capable of raising a weight of about 150 lbs. 230 ft. high in a minute, and to continue exertions enabling him to do that for eight hours a-day. Multiplying the number of pounds by the height to which they are raised in a minute, 150 x 230 gives 33,000, and the power of a horse is generally expressed by a sum varying from 30,000 to 35,000 lbs. raised if h. high in a minute. Boulton and Watt express it by 33,000 lbs.; Wool by 36,000 lbs.; Tredgold, Palumer, and others, by 33,333 lbs. One horse can draw horizontally as much as seven men. In trains of machinery from 2 to 3 is allowed for friction.

E. B. "(King's College).—Wolfram is a double tungstate of iron and manganesse. According to Wöhler, it is best analysed by mixing it, in a finely divided state, with two parts of dry chloride of calcium, and fusing in a platian crucible. The molted mass is treated with water, which dissolves out the chlorides of manganess and iron, and leaves the tungsten in the form of insoluable tungstate of line.

A. Z." (Blackheath).—There can be no doubt, if the calls were correctly made, that they can be recovered in the County Courts; or, if preferred, an action can be entered by any merchant who has supplied materials to the mine against the defaulters.

The letter of "B. E. R.," on Carbonic Acid Gas Engines, published in our Journal on the 3d June, was extracted from the Practical Mechanics Journal (Glasgow).

Luke Richards (Plymouth).—The strat of gneiss and mice slate constitute the principal metallic deposit in Europe. The transition rocks, and the lower part of the secondary ones, are not so rich, neither do they contain the same variety of ores. But this arrangement, which is presented by Gress Britain, Germany, France, Sweden, and Norway, does not form the general law. In South America the gne

printed in London, 1739.

"A Constant Reader" (Islington).—The proclamation against importing iron wire was promulgated the 7th May, 1629, in the 6th year of the reign of Charles I. The preamble to the proclamation states, that it is better than foreign wire for making cards for wool, and that by that trade many thousands are maintained; that as it can be manufactured much cheaper by foreigners, unless due protection be given to our manufactures; the trade must decay; therefore, all foreign wire imported into England is to be seized and destroyed.

is to be seried and destroyed.

S. G. "(Maldstone).—Gold has been found in various localities in England. About the year 1688, two gold mines were discovered, one at Pullox Hill, in Bedfordshire, the other at Little Taunton, in Gloucestershire. These were, however, too poor to pay their working charges, and shortly afterwards were shandoned.

E. E. "—We have inquired of the Prussian Consul General, and several German firms, but have been unable to obtain the information required. The reply we received was, that the price of iron in Cologue was in general regulated by the supply in the Hamburgh market.

burgh market.

B. S. B." (Cornhill).—Emery was long regarded as an ore of iron, and was called by Hany fer oxide quartzifere. In is very abundant in the Island of Naxos, at Cape Emeri, from whence it is imported in large quantities. It occurs also in the Islands of Jersey and Gernsey, at Alimeden, in Poland, Saxony, Sweden, and Persia. It's colour varies from red brown to dark brown; its specific gravity is about 4000, It is so hard as to scratch quartz, and many precious stones. It consists of-alumina 89, silica 3, iron 4. It is extensively used for grinding metals, glass, &c., for which purpose it is reduced to powders of different degrees, by grinding and clutriation. In this form it is sold under the denomination of flour of emery.

Marshall (Aliwick).—The Mining Company of Scotland was established in 1730; it is connected with, or under the management of the directors of, the Sun Fire and Life Office. On enquiring, we were informed that it was a strictly private company, which did not wish for publicity.

Office. On enquiring, we were informed that it was a strictly private company, which did not wish for publicity.

"A Speculator" (Antwerp).—We are not aware that any capital has been subscribed in England for the formation of the railroad from Christiana to Minde. In 1846, Mesra. R. Stephenson and G. Bidder inspected the proposed line. Mr. John England was ambiequently about six months in Norway, in conjunction with several native engineers, employed on the survey. The distance is about 44 miles. A single line was contemplated, the probable cost of which was calculated at \$5,000,000. The greatest portion of the capital was to have been raised in England. We presume, from the unsettled state of the money market, that the projectors have encountered more difficulties than they originally anticipated. It appears that the Norwegians are about to take the matter in hand themselves. On the 10th June, a meeting was held at Sorum, at which it was proposed to construct a line from Christians to the Lake Gieren, a distance of 12 miles, on the same route. The shares were to be fixed at \$100 each, the ambieribers to receive interest at the rate of 4 per cent, per annum, until the line was completed; parties taking from 1 to 5 shares to have one vote; 6 to 15, two; 16 to 30, three; 51 to 30, four; 51 and over, five. The traffic estimates were based on the returns furnished to the Government at the period when the first line was in contemplation. It is proposed, at the same time, to make the Glommon navigable, so as to avail themselves of the advantages to be derived from that river.

A Subscriber "(Peltow).—We know nothing of the Californian Gold Mining Association; but, from the manner in which it has been brought and continued before the public, should recommend the exercise of particular caution, before having transactions with any of the parties concerned.

B. B. "Alliany",—Spencer's apparatus for the electrotype process is thus constructed:

any of the parties concerned.

'fd. B." (Aliany).—Spencer's apparatus for the electrotype process is thus constructed:
A cylinder of glass, wood, or glazed carthenware (having a rim at the bottom for retaining the gypeum), is closed at the lower end with a disphragm, three-fourities of an linch thick. It contains zinc, immersed in a solution of common sait, and is itself surrounded by a solution of sulphate of copper, which contains the body to be coppered. The operation succeeds best when the surface to be coppered is of the same size as the zinc surface, and that of the gypeum greater than either. The zinc is frequently clearased, and the sait solution occasionally renewed. When the process is continued for some time, the copper solution must likewise be renewed, otherwise the sulphuric acid which is set free, prevents the precipitated copper from assuming a solid consistence, and converts it into a brown red powder; in such a case the copper must be cleaned with very dilute nitric acid. The formation of a layer of copper, one-eighth of an inch thick, takes eight or ten days.

FRINKE INFALLERA.—"K." (*Llandilo.)—The address of Mr. A. Gordon, is Fludyer-street.

cleaned with very dilute nitric acid. The formation of a layer of copper, one-eighth of an inch liftick, takes eight or ten days.

Funific Impeller.—" K." (Llandilo.)—The address of Mr. A. Gordon, is Fludyer-street, Westminster, who will furnish any additional particulars respecting his invention.

J. Simpson (Leeds).—Postone, steatile, and sospatone are of the same family. The soapstone of Cornwall is found massive and nearly white, or of a grey colour, sometimes with a tinge of yellow, and mottled with green and purple. When first raised, it may be kneaded like dough, but on exposure loses part of its moisture, and is then translucent on the edges, yielding to the mail, and possessing an unctuons feel. Steatife is found in considerable masses, in beds or veins. The Arabs are said to use it, instead of soap, to soften the skin. And Humboldt states, that the Otomaques, a sawage race, inhabiting the banks of the Oronoko, are aimost entirely supported, during three months of the year, by eating a species of steatile, which they first slightly balks, and then moisten with water. The whiter varieties are used in the manufacture of porcelain, others are used for fulling. Postsone is a coarse indistinctly grammlar variety of findurated tale, having a greenish grey, or leek green, colour, with a glistening or pearly lustre. It is found at Chiavenna, in the Valteline's; at Come, in Lombardy, and, genorally speaking, in serpentine countries; in Norway, Sweden, Finland, and Greeniand. Its united properties of infusibility, softness, and tessacity, dunit of its being readily turned on the lathe. From time immemorial it has been formed into vessels in the Valais and Grisons; and Pliny describes it as being used in this manner in his time. It is extensively employed in Norway and Sweden, for the construction of furnness and stores for domestic purposes.

"P. P." (Neath) writes: "Having to put an overshot water-wheel, 30 feet diameter, I shall feel much obliged by you informing me-which is the most approved distance to apply

placed, in most cases, it is desirable to obtain a good head of water.

Germanicus, "Paddington).—Mach as we regret that the discussion on "Copper
Sheathing" has arrived at no practical result, "Germanicus" must be aware that we
cannot compel any of our correspondents to give such information as may suit their
opponents. As the "Rosster Man" has taken so notice of the two letters of "Germanicus," requesting an explanation of the terms "swelling the surplus," we do not
think it probable that his third would meet with a better reception. Our object in
encouraging discussion, is to elicit truth, and, by a collision of practical and theoretical
opinions, benefit science, and diffuse information. We must decline, however, making
our columns the areas of discussion, either when the interest of the subject is exhausted, or it descends to petty cavellings on technical phrases.

R. "Berithman, —Hausmannte, or subvirous red oxide of managements in ret.

Manufed, or it descends to potty cavellings on technical phrases.

M. B." (Brighton).—Hausmannite, or anhydrous red oxide of manganese, is not a common mineral; it is found massive and crychellised in four-sided syramids, which yield to cleavage parallel to their base, which is square. Its colour is from-black, opaque, very hard, and yields a darkish red, or chesnut brown powder; lustre, impersetly metallic; on charcoal, in a strong heat, it fuses on the edges; with borax, readily forms a deep violet blue, or almost black, globule; with soda, a green coloured siag. It is insoluble in muriatic acid, but is decomposed by heated sulpinuic acid; it is found is veins of porphyry, with other ores of manganese, at Ghrenstock, near lignorau, in Thuringia; at Inleied, in the Hartz; and at Lebanon, in Ponnsylvania. The best crystallised specimens are met with in Framont, in Alsace. It consists of red ecide of manganese, 98 09; oxfgon, 0°22; water, 0°43; baryla, 0°11; silica, 0°34.

H. C." (Greenwich).—The salt mines of Cardona are in Cardonia. The country in

Thuringia; at Thioteid, in the Hartz; and at Lebanon, in Pannyivania. The best gradilised specimens are not with in Framont, in Alaxee. It consists of red exide of manganess, 98 09; costygen, 0°22; water, 0°42; baryin, 0°11; silies, 0°34.

H. C. "Greenwich).—The salt mines of Cardona are in Catalonia. The country in which they lie is composed of vast beds of farcilite, which consist of rounded masses of quartz, with angular pieces of siliceous slate, and fragments of clav-slate, united by a basis containing cafcareous earth. In the immediate vicinity of the salt mines there are no other rocks than a yellowish grey sandatone, very highly charged with scales of mics. The salt rock is accompanied by clay and anadatone, similar to the Chestifire formation. Limestone is also found near it, but the usual concomitant—gypeum—is wanting, as well as foliated linestone. The country around is mountainous and rugged, but inferior in clevation to the districts between it and the Mediterranean, as well as to those which bound it on the north. Immediately behind Cardona, the mountains ascend with increasing boldness, until they unite with the great chain of the Pyreness.

L. T." (Gornhill).—Wandsbeck is situated in the Holstein territory, about three English miles from Hamburg; there is a good road, and the transport of heavy goods is not expensive. There is a small from foundry there which delivers tolerable castings, the principal proprietor and manager is an Englishman of the name of Burgess. The coke and iron is purchased in Hamburg and driven there, it is not available for water carriage. The large loss foundry on the Grasbrook has been long dismantied, its site is at present occupied by the gas works.

a. The numerous disappointments in procuring back Numbers during the past year induces us to suggest, that subscribers should be careful in filing, or otherwise preserving, their papers; and where extra copies are required, that they should be applied for as early as possible.
a.* We should feel obliged to all pursers, captains, or adventurers, to forward particulars of meetings, &c., of the mines with which they may be connected, on the earliest exportunity, that they may be published in the Journal.

* It is particularly requested that all comm r all communications of the Communication of the Co

THE MINING JOURNAL Railway and Commercial Sazette.

LONDON, JULY 28, 1849.

he Minine Jouanal is published at about Eleven o'clock on Saturday morning, at the office, 25, Fleet-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

In our Number of the 7th inst., we gave a detailed account of the several sales of copper ore in Cornwall for the last quarter, with comparative views of the business of the three preceeding quarters of the year which has just terminated, and of the two autecedent years. We now offer to the notice of our readers a corresponding view of the general sales at Swansea, divided into ores strictly foreign, and those the produce of Ireland and Wales.

Our publication of the 20th January of the present year, exhibited the state of the trade in foreign, Irish, and Welsh ores for the quarter ending December 31st, 1848; and, as it is only by reference to the business of former periods that a fair judgment can be formed of the variations in the trade, we will here advert to the account then furnished. Looking first at the state of the foreign ores, we find that the importation of last quarter exceeded that up to Christmas last; the respective numbers being—

nas last; the respective numbers being—		- "
In the quarter just terminated	11,957 10,463	tons
Showing an excess, last quarter, of	1,494	99
The produce, to Midsummer last, was to Christmas it was	21.163	per c
Less last quarter, by	-669	20
The computed quantity of fine copper was-		
To Midsummer last	2,530 2,284	tons
Excess last quarter	246	
The average price, per ton of ore, was-		
To Midsummer last £13 To Christmas		per t
Excess last quarter £ 1	4 2	
The average value of ore to produce a ton of coppe	r, wa	s-
To Midsummer last		
Excess last quarter £ 7	15 2	
The amount of sales to Midsummer last £183,788		
Excess last quarter	16 0	

In all respects, then, the importers of foreign ores have reason to

In all respects, then, the importers of foreign ores have reason to congratulate themselves on the improved aspect of their affairs, since the close of the past year.

The trade in Irish and Welsh ores for the two quarters exhibits so trifling a difference, in quantity, value, or amount, as to call for no special comment. But we may again remark upon the depreciation in the value of Cornish and Devon ores, as compared with foreign, computed by the test of the value of ore to yield a ton of copper, according to the produce and price of each description.

Thus, in the last quarter, the value of foreign overs to produce a ton.

wing an advantage, in favour of the foreign, of £ 8 4 10 It is admitted that, as the ores sold in Cornwall are subject to a charge for carriage and freight to Swansea, from which foreign ores are exempt, to that extent the difference above shown is explained. But as the average cost of conveyance is not more than 7s. 6d. or 8s. per ton of ore, or, at the utmost, 5l. per ton of copper, the difference between that amount and the above sum of 8l. 4s. 10d. must be accounted for on some other principle, upon which we do not feel it necessary at this moment to enlarge.

ACCOUNT OF THE SALES OF COPPER ORES AT SWANSEA, IN THE QUARTER ENDING JUNE 30, 1849.

Descriptions of Ore sold, and dates of Sales.	Quantity of ore.	Average Produce.	Computed Quantity of Fine Copper.	Average Prices of Ores.	Amount of Sales.	Val. of ore to produce I ton of Copper.
FÓREIGN ORES. Sold April	1073 1571 1522 1003 12027 1698	Per Cent. 15:713 15:767 21:951 16:279 24:911 26:000 21:886	Tons Cw. 168 12 247 14 334 2 163 12 504 19 441 9 669 19	£ s. d. 12 6 5 12 11 4 17 1 4 12 12 9 17 19 9 17 1 2 14 17 4	£ 4. d. 13,218 4 0 19,740 14 6 27,196 1 6 12,700 16 6 28,964 5 6 45,307 12 0	£ s. d. 78 8 0 79 13 11 81 8 2 77 12 8 72 4 2 65 12 3 67 18 6
Totals & averages } for the quarter }	11957	31-163	2530 7	15 7 5	183,788 9 0	72 12 8
IRISH AND WELSH ORES. Sold April 3 3 3	366 340 352 621 570 601	10-191 9 721 9-318 9-849 8-907 9-938 9-068	37 6 33 1 32 16 61 8 50 4 59 14 10 14	7 19 11 7 11 0 7 9 8 7 12 3 5 16 2 6 4 8 6 0 0	2,926 16 6 2,566 17 0 2,629 19 0 4,727 7 0 3,311 15 6 5,737 10 6 707 14 0	78 9 4 77 13 4 80 3 8 77 5 11 65 19 5 62 12 1 86 2 10
Totals & averages }	2968	9:607	285 3	6 18 10	90,607 19 6	72 5 5
TOTAL OF ALL SORTS. Sold April 5 , 12 , 26 , May 10 , 24 , June 7 , 21	1911	14:308 14:691 19:578 13:838 21:376 21:870 21:411	205 18 260 15 366 18 225 0 555 3 501 3 680 13	11 4 5 11 13 6 15 18 4 10 14 4 15 6 4 14 4 6 14 10 9	16,145 0 6 22,307 11 6 29,826 0 6 17,428 3 0 39,772 14 0 31,701 16 0 46,215 6 0	78 8 3 79 9 2 81 5 10 77 9 3 71 12 10 65 5 1 67 18 0
Totals & averages }	14925	18:864	2815 10	13 13 11	204,396 8 6	72 11 11
Ditto for quarter ending March 31, 1849	7893	-	n di	12 7 9	97,481 8 6	
Ditto for quarter ending Dec. 31, 1848	13689	18-917	2589 13	12 5 3	167,877 15 0	64 16 6
Ditto for quarter ending Sept. 80, 1848	12628	-	N.A.	10 12 10	134,390 2 0	
Ditto for the year ending June 30, 1849	19135			12 5 11	604,145 11 0	EALUES VI LIVER TO BE
Ditto for the year anding June 30, 1848	50731	17-040	8644 10	12 8 2	629,660 8 0	72 16 8
Ditto for the year ending June 30, 1847	53284	16-622	8856 14	12 13 9	676,060 9 6	76 6 7

Throughout the Parliamentary session which is now hastening to a close nothing has appeared more clearly than the perfect ability of the Government to resist the attacks made upon it as an administration, and to yindicate in all its parts the policy of those public measures which have been submitted to the judgment of the Legis-

lature. In both Houses of Parliament the administration of the colonies in particular has been a subject of sharp and persevering criticiam; and though the chiefs who led their little platons against the strong squares of the Government must have credit for a fair amount of skill and earnesiness in their several attacks, they made little or no impression on Parliament within, and less still on the public out of doors. They wanted an actual griovance; they needed a colonial blunder, or a colonial calamity; and failing this kind of aliment, their efforts grew, week after week, more faint and more ineffectual; they are ending the session, leaving all the points upon which the Government stood reasoned out and concluded against them. Instead of weakening, they have inadvertently strengthened the administrative power of the Colonial-office by their incompetent and unsupported assaults. It is to be feared that a great truth has been before their eyes, and speaking to their consciences, at the moment they have been practically denying its existence. The colonies were much at ease, when it was alleged they were suffering greatly; were in a state of great contentment, when it was affirmed they were in state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in a state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in the state of great contentment, when it was affirmed they were in the state of great contentment of material wealth, and in the organisation of their social and political elements. In the presence of this happy and sustained movement in advance, there are some score or more of colonial theorists, who would empirically come in with their untested nostrums, and endanger, if the

We last week addressed a few remarks to the shareholders of the Bolanos Mining Company, and we now again advert to the subject. A notice of the general meeting, to be held on the 1st August, will be found in another column, and our Mining Correspondence contains a report received from the Cerro del Bote Mines, which is encouraging, inasmuch as it shows that the steam engine just completed is able to master the water, when a communication shall have been effected with the productive parts of the mine. This we take to be a favourable piece of information, as every miner knows the importance of having his mine well under command in respect to drainage. The efficiency of the drainage power being established, we have then to consider the probable value of that which is drained. Now, the Cerro del Bote Mine has already given a large produce, until its workings were stopped by water. The change in the vein, noticed in the more recent reports, although apparently for the worse, is, in reality, considered by the miners of the district as a favourable indication of increased productiveness in depth.

noticed in the more recent reports, although apparently for the worse, is, in reality, considered by the miners of the district as a favourable indication of increased productiveness in depth.

It is, of course, very difficult to make clear to others that which may be perfectly so to ourselves; and, consequently, our advice is that the shareholders should inquire in the proper quarter, attend the meeting to be held on the 1st August, and judge for themselves, whether or no the concern should have the support which we submit it deserves. And we express this opinion disinterestedly, so far as we are individually concerned; but, on the other hand, many of our friends and readers hold a considerable stake in this, as well as other Mexican mines, and we are really desirous to counteract, if possible, that feeling of apathy which would make ship-wreck of a large amount of property, and leave, to be hastily abandoned, mines which may be said to be just budding into life.

Apropos to this part of our argument, we have in another column a paragraph, which offers a remarkable commentary on the apathetic spirit which has prevailed for some time past in concerns of this nature. There we learn that the Real del Monte Mines, which, only a few months since, were sold to parties in Mexico for a sum (including liabilities) of about \$130,000, have been made over to a new company; in the same city, at the price or valuation of \$350,000, by which the purchasers from the English company realize a premium of about 40,000L, a clear proof of the estimation in which the mines are held in Mexico. We are not, then, surprised at the vexation of those who straggled to preserve the Real del Monte Company in England, at the same time that we acknowledge that frequent disappointments are calculated to damp the ardour of expectant shareholders; but we trust we may not have to record that the effort to save the Bolanos Company from similar ruin has been made in vain.

In some remarks which we deemed would be interesting to share-In some remarks which we deemed would be interesting to share-holders in the United Mexican Mining Association, made in our last Number, we called attention to the sources from whence the association derives their present profit, the certain nature of their returns to, at least, the payment of the debt of the owners, and that of the Mexican Government, to the amount of 3l. 10s. per share; the probable future profits on working their own mines, and reducing the ores of other parties; and the anticipated good results from the recently obtained mines of Promontorio and Aldana. These remarks were the more interesting as amagning just before the half. marks were the more interesting, as appearing just before the half-yearly meeting, which took place on Wednesday last, a full report of which will be found in another column, the report of the direc-

yearly meeting, which took place on Wednesday last, a full report of which will be found in another column, the report of the directors read at which, and the discussion which ensued, fully bearing out our observations as to the valuable nature of the property, and the great promise held out of reaping eventually a rich return.

From the fluctuating nature of mining adventures, although, from the state of the funds in hand, it might by no means be prudent to declare a dividend at the moment, we should advise holders certainly not to part with their interest at the price now quoted in the market, being actually less per share than the amount next to certain of payment from the debts due by the owners and Government, independent of the share in the mining property, stores, machinetry, &c., and the chance of sharing in the profits of future workings, of which the indications promise so well. The contract between the association and the Rayas family expires in 1852, when, if the entire debt, now amounting to \$500,000, should not be paid, or a new contract entered into, they will continue to receive 13½ dut of the 24 bars, until the fall amount of the debt is satisfied. In the meantime, to take every advantage of circumstances for preventing the breaking up of the establishment, the new mines of Promountorio and Aldana will, by that period, probably be in full working order, and in a position to place the association on an entire new footing. The contract under which the new mines are worked is, if they should be successful, all in favour of the adventing and the successful, all in favour of the adventing and the successful, all in favour of the adventing the province of the successful, all in favour of the adventing the province in the successful, all in favour of the adventing the province in the successful, all in favour of the adventing the successful, all in favour of the adventing the successful, all in favour of the adventing the successful and the successful and the successful and the successful and the succ

turer, it being expressly understood that no call is to be made for them, and the owners agree to pay three-eighths of any loss which may be incurred.

Under these poculiarly favourable circumstances—favourable as anything prospective can well be—we think there needs no apology for again calling attention to the subject, and even repeating some of the observations previously made. It will be highly gratifying to the shareholders to learn, that not only has a commission been appointed to meet the agents of the association for the adoption of means for payment of the deb, but a law has actually passed the Legislature for the reduction of the export and circulation duties, respectively from 6 and 4 to 3 and 2 per cent on silver, and from 6 and 4 to 2 and 2 per cent on silver, and from 6 and 4 to 2 and 2 per cent on gold, which reduction is immediately to come into operation, and by which alone the association will save upwards of 1000l. per annum. Altogether the prospects are highly encouraging; and to those who might have contemplated the sacrifice of their shares at an almost merely nominal price, we would say, "hold on to the last; there's a good time coming."

Several attempts have, within the past few years, been made to establish a Miners' Provident Association, or some such institution, for the support, protection, or assistance, of the widows of miners who may be accidentally killed, and the granting allowances to those who may be permanently injured, or prevented for a time from earning their livelihood by any of those casualties to which the miner is peculiarly exposed. We have, in the columns of this Journal, ever exerted to the utmost our humble efforts to advance the success of such an institution; but, unfortunately, from what cause we know not, the proposals, although at first brought prominently before the public, have been fatally nipped in the bad, and the Cornish and Devonshire miners—a class of great importance in the staple produce of our country—unlike every other branch of industry, are left without such a resource on which to fall back in case of need, and which would render calm and placid the dying bed of many an unfortunate father of a family who may neet with an accident terminating fatally, and prevent the survivors from being thrown on the Union workhouses. We are exceedingly glad to find that another attempt is being made to establish an association, under the title of the Miners' Provident Association—the promoters of which are, Mr. Perguval Johnson, Massis, Gill, Rundle, and Co., the bankers of Tavistock, Mr. J. Diamond, of Hewton, near Tavistock, Messes, Srinner and Son, and Mr. C. V. Briddenan, Tavistock, Mr. George Thomas, of the Imperial Brazilian Mining Company, and others. Tavistock, Mr. George Thomas, of the Imperial Brazilian Mining Con

Tavistock, Mr. Geonge Thomas, of the Imperial Brazilian Mining Company, and others.

The prospectus states, "It is proposed to establish a fund to provide for the support and protection of the widows and families of miners killed by accident; and also for themselves, should they be rendered permanently incapable of earning their living from the same cause, and an earnest appeal is now made to all lords, merchants, and adventurers, for their aid and support in founding this most needful association. The miner's occupation is one that constantly exposes him to imminent danger and risk, whereby his life is often suddenly and disasterously terminated, and those who have been depending upon his labour for their support, entirely deprived of their only means of subsistence, and are thereby compelled to become paupers; and it is a notorious fact, that this is the only branch of industry so totally upprovided with charities."

Miners joining the association are to pay 3d. per month, and under circumstances of death or accidental injury, themselves or families are to receive 5s. per week, or more, as the state of the funds will allow. Rules and regulations will be drawn up by a committee of six, chosen from the principal subscribers and mine agents, which will be duly enrolled. We need hardly say, we heartily wish success to this infant institution, and that our columns are open at all times for its advancement, and rendering it subservient to the welfare of the mining population.

It is gratifying to observe the favourable results of the meetings of the several banking establishments, and other great mercantile undertakings, which we have recorded since the commencement of the present month, nearly all of which have proved profitable investments for capital, and are likely to continue to pay good dividends. Among these we would just call attention to the Commencial Bank of London, a report of the annual meeting of which company will be found in another column. It will be seen that, after writing off all bad and doubtful debts, and paying all expenses of the current year, the net profits have been 12,077. 16s. 1d. After paying a dividend at the rate of 6 per cent. per annum for the half-year ended December last, another dividend, after the same rate, free of income tax, has been declared, and a sum of 2596. 17s. 1d. carried to the guarantee fund, which now amounts to 20,014. 19s. 9d. This satisfactory state of affairs may be attributed to the business habits and constant attention of the directors and the executive generally, and to the increased exertions and highly appreciated abilities of the manager.

The half-yearly meetings of the various joint-stock banks being now

The half-yearly meetings of the various joint-stock banks being now concluded, we subjoin a table of their relative capitals and extent of busi-ness, made up in each case from the accounts last furnished:—

Banks.	Paid-up.	1	Deposits, &c.	G	saran. Fund.	Div. dec. for
London and Westminster (established 1834), five branches	£1,000,000		£3,392,857	.,	£105,453	half-year. 3 per cent.
London Joint-Stock (esta-) blished 1836), 1 branch	600,000		2,508,891		180,696	*3 per cent.
Union of London (established1839) 2 branches	422,900	,	2,835,617		52,743	3 per cent.
London and County (esta-)		11.				
blished 1839)46 branches (last balance-sheet Dec. (199,800		1,354,730		27,550	3 per cent.
1841						
Commercial (established)	128,280		541,804		20,015	3 per cent
	Leaving 1	5,433	& still andivi	ded.		

Government Excouragement of Mining in Central, America.—A flaming proclamation was issued by the Government, stating that "an opportunity having luckily arisen which might tend to develope the mineral resources of Central America, decree, &c. &c." The substance of the decree is as follows:

—"That avery facility and protection should be given to those who dedicated themselves to the exploring and working of mines. That all pravious laws, which compelled owners to give a part of their produce to the Government, be annulled. That no duty should be placed by the present or any succeeding Government, on the exportation of any mineral ores in their crude state; a very small duty after having undergone smelting, and the duty greatly reduced upon all mining tools and implements imported. That the proprietors were to be exempt from taxes and forced contributions of any hind, and their horses and mules on no account pressed for the service of the troops or public works. That the men working in the mines were to be exempted from serving the number of days' labour they annually contribute to the Government," &c. Upon the faith and strength of the above decree, mines were explored, good lodes discovered, capital invested, miners engaged, mines opened, and fine rich ore brought to the surface, where, by-the-bye, it still remains at grass, and is likely to do so to the end of time. Another proclamation made its appearance a few months after the first, placing a heavy duty on the exportation of crude ores, and at the same time rescinding most of the above-mentioned privileges. Still, under these disadvantages, the works were proceeded with, a quantity of ore was extracted, miners learnt their work, and the appearance of the workmen in the amall villages greatly improved. Then appeared a third decree, prohibiting absolutely the exportation of crude ores of any kind, and this under the pretence of encouraging smelting in their own country, at the same time knowing there was neither a reverberatory or blast furnace from one end

PRODUCE OF ENGLISH COPPER MINES

We have just received the eighteenth number of the valuable compila-tion, "Gryll's Annual Mining Sheet," from which we give the quantity of Copper Ores sold in Cornwall, for 12 months, from June So, 1848, to June 30, 1849, together with the Average Price per ton of 21-cwts. in this county and in Wales. We also give the Average Standard, Produce, Price, Number of Tons of Ore, Fine Copper, Amount of Money, and each Company's Purchase, for the past 12 months; together with the quantity of Copper, Tin, Zinc, and Lead, imported into and exported from the United Kingdom, from the 5th January, 1848, to the 5th January, 1849:

-	Conneall	Ore.		4m	онл			Pri		
	Cornwall. Agar, Wheal			£4741	8	0	10	£3 9	0	
	Alfred Consols	850	****	1255	8	0	****	9 5	6	
		240			15	0		4 1	0	
	Banna, Wheal	73		251	-6	0	****	3 9	0	
	Barrier	116		449		0		3 17	6	
	Bedford United Mines	1308		7471	18	6		5 14	6	
	Barrier Badford United Mines Botallaek Brower, Wheal Bucketts, Wheal Busy, Wheal Busy, Wheal Camborne Vean Carn Broa Mines Charlestown United Mines Charlestown United Mines Condurrow Consolidated Mines Creeg Brawe Devon Great Conols, &c Great Wheal Crofty East Prod East Wheal Seton Ellen, Wheal Friendalip, Wheal Grambier and St. Aubyn Great Work Gwinear Conaols Harriet, Wheal Heory, Wheal Jane, Wheal Jewel, Wheal	60		343		0		5 14	6	
	Brewer, Wheal	105		- 194		0		1 17	0	
	Bucketts, Wheal	630		2126	3	6		3 7	- 6	
	Busy, Wheal	214		564	3	6		2 7	6	
	Camborne Vean	2815		11443		0		4 0	6	
	Carn Brea Mines	10137		61029	9	0		6 0	6	
	Charlestown United Mines	307		2149		6	** **	7 0	0	
	Clifford, Wheal	128		340	19	6		2 13	. 6	
	Comfort, Wheat	1561	****	6709	1	6	****	4 6	0	
	Conduitow	1901	****	40341	A	6		4 17	0	
	Consolidated Milles	1194	****	4424		6	1111		0	
	Creeg Braws.	16079		93544		6	****	5 12	0	
	Devon Great Consols, acc.	1017	****	4673		0		4 12	0	
	Fact Wheel Crofty	3203		14481	8	0	****	4 10	6	
	Fast Pool	1238		4143	9	6	44.54	3 7	0	
	Fact Wheal Seton	116		483		0		4 3	6	
	Ellen Wheal	564		3956	6	6		6 16	6	
	Fowey Consols	6180		34026	4	6	****	5 10	0	
	Friendship, Wheal	2699		19606	13	0		7 5	6	
	Gonamana	26		148	4	0		5 14	0	
	Grambler and St. Aubyn	571		2874	9	0		4 3	0	
	Great Work	132		949	14	0		7 4	0	
	Gwinear Consols	55		328		0.		5 19	6	
	Harriet, Wheal	98		283	0	0		2 18	0	
	Henry, Wheal	199		894	2	6		4 10	0	
	Wolmbush	329		1706	18	6		5 4	0	
	Jane, Wheal	47		131	3	0	****	2 16	0	
	Jewel, Wheal	141		516	11	6		3 13	0	
	Lanivet Consols	32		- 59	4	0		1 17	0	
	Levant	1869		9922		0		5 5	0	
	Maiden, Wheal	103		577	5			3 15	6	
	Marke Valley	1440		4695	4	0		3 5	0	
	Mary, Wheal	653		3326		0		6 0	6	
	Mary Consols, Wheal	815		4241				5 4	0	
	Lanivet Consols Levant Levant Maiden, Wheal Marke Valley Mary, Wheal Mary Consols, Wheal Mary Consols, Wheal North Wheal Darlington North Downs North Downs North Pool North Roskear Par Consols	38			15	0	****	5 15	6	
	North Downs	39		144	8	6	** **	4 2		
	North Pool	OWID	****	25884 26281			****	4 10	6	
	North Roskear		** **	46745			** * *	5 18	6	
	Par Consols		****	4891	10		••••	4 1	6	
	Par Consels		****	1310	8		** ** ,	7 11	6	
	Prick Wheal Poldice Prosper and Friendship, Wheal Prudence, Wheal Rodney, Wheal Seton, Wheal Sisters, Wheal		****	1718	13			4 13	6	
	Polyice	780		3264	5		** **	4 4	0	
	Proper and Friendship, Wheal	198			18	6		2 12	6	
	Produce Wheal	189	** **	472	1	0	** **	2 10	0	
	Rodney Wheal				12	-		1 10	6	
	Seton Wheal	4968		22490	5		****	4 10	6	
	Sisters Wheal	40		125	0	6		3 2	6	
	South Wheal Busset	2552		16335	17	0		6 8	0	
	South Caradon	9090		19173	17	6		6 11	0	
	South Crinnis	101		542	17	0		5 7	G	
	South Wheel Fortune	258		1826	5	0		7 1	6	
	Sisters, Wheat South Wheal Basset South Caradon South Caradon South Crimis South Wheal Fortne South Wheal Frotne South Wheal Frances South Roskear South Tolgus Sundry small mines Tineroft Ting-Tang Consols Treight Consols			17832	14	0		8 18	0	
	South Roskear	1183		5112	7	0		4 6	6	
	South Tolgus	677 713			12	0		4.17	0	
	Sundry small mines	713		2928	8	.6		4 2	0	
	Tincroft	3881		13606	2		****	3 10	0	
	Ting-Tang Consols	77.		174	9	0		2 5	0	
	Treleigh Consols	1112		6679	17		****	6 0	0	
	Tremayne, Wheal	1231			6		****	3 0	6	
	Tresavean	3409	****	12519	4	6	****		6	
	Trethellan	1083		2728 12988	8			2 10 5 13	6	
	Treviskey	2301	** **	14519	10			4 0	0	
	Tywarnnayle	1014	17.20	43779	9			3 13	6	
	United Mines	1314		229		0				
	Ting-Tang Consols Treeigh Consols Treeigh Consols Tresayean Trethellan Trethe	64	****	107	9		****	7 8	6	
	Vurgan Wheel	195		632	8		****	5 1	0	
	Wallington Mines	494		3652				7 8	0	
	West Wheal Ruller	454		3567	2			7 17	0	
	West Caradon	3866	3	28435			** **	7 7	0	
	West Fowey Consols	243		1456	3			7 7	0	
	West Wheal Jewel	418		1436		6		3 9	0	
	West Wheal Providence	39		237		6		7 8	0	
	West Wheal Seton	601		3160	0	0		0 0	0	
	West Caradon West Fovey Consols West Wheal Jewel West Wheal Providence West Wheal Seton West Wheal Treasury West Trethellan Williams, Wheal	1250		5823	2			4 13	0	
	West Trethellan	188		0.08	1	0		2.17	0	
	Williams, Wheal			350	14	6		3 16	0	
	Williams's East Downs			178	1			4 7	0	

Particulars of Copper Ores Sold in Cornwall, from June 30, 1848, to June 30, 1849.
Copper ores 144,983 21-cwts. Fine copper 12,092 tons 17 cwts. 3 qrs. 29 lbs. Amount of money £716,917 7s. 0d. Average produce \$\frac{1}{2}\text{ and 1-16th} Average standard £92 1ls. 0d. Average price per 21-cwts £4 19s. 0d.
Particulars of Copper Ores Sold in Wales, from June 30, 1848, to June 30, 1849.
Copper ores. 49,135 21-ewts. Fine copper. 9010 tons 15 cwts. Ø qr. 24 lbs. Amount of money £604,245 10s. Ød. Average produce 18f Average standard £79 6s. Ød. Average price per 21-cwts. £12 5s. 6d.
Totals in Cornwall and Wales.
Copper ores 194,118 21-ewts. Fine copper 21,063 tons 13 cwts. 0 qr. 19 lbs. Amount of money £1,321,162 17s. 0d.

Copper Ores Purchased by the Copper	Compar	nies, j	rom Ja	une 3	10,	1848	, to J	une 30,	184	3.	
Purchasers.	Ore.			Coppe				Mon	ey.		
	21-cwis.		Tons	cwt.	gr.	ibs.		£	8.	d.	
Mines Royal Company	10,594		910	15	3	23		56,322	2	9	
English Company	2,004		307	1	3	15		21,862	11	1	
Vivian and Sons	43,953		5064	3	1	25		317,012	11	10	
Freeman and Co	21,008		1936	17	1	20		117,355	4	3	
Grenfell and Sons	30,177		2891	8	2	27		180,879	16	6	
Sims, Willyams, and Co	27,579		2881	2	2	24		179,380	11	7	
Williams and Crown Company	49,309		5768	5	0	23		362,017	3	5	
Schneider and Co	8,593		1075	18	0			70,871	11	7	
Roniamin Guith			0.02	10		20		28 401			

Particulars of Imports and Exports. from January 5, 1848, to Janua	ry 5, 1849.
Copper ores imported	50,053
Copper ores exported	321
Fine copper exported	13,816
Tin imported	299
Tin exported	2,214
Zinc imported	13,525
Zinc exported	4,339
Pig and sheet-lead, &c., imported	3,789
Pig and sheet-lead, &c., exported	12,219
Lead ore imported	1,298
Lead ore exported	136

ACCIDENTS FROM BREAKAGE OF ROPES IN SHAFTS .- In consequence of the remarks of a " Newcastle Collier," in our last Number, expressing fears for the apparatus from the falling of the heavy chain -perhaps, 100 or more yards we have been favoured with a communication from George Elliot, Esq., owner of the Usworth Colliery, where the apparatus is at work, in which the followof the Usworth Colliery, where the apparatus is at work, in which the following observations occur—a perusal of which will, we think, quiet all fears, or doubts, on the subject, either of a "Newcastle Collier" or others interested in this important subject:—"On the 6th inst. we had, at our Usworth Collieries, one of the vire ropes broken at the drum, when the engine was taking its lift of the load from the bottom of the pit, at the depth of about 1000 feet; the total length and weight of the rope fell upon the cage and apparatus attached thereto, without the slightest injury to either the cage, appendages, or guides. It is evident, therefore, had men been in the cage, they would have been unhurt. I may observe, that the total length of the rope was about 200 fathoms, and its weight about 37 owts; and the way in which I account for its not injuring the cage is, that the fall of the rope is divided over several seconds of time in its descent, and not possessing the acquired momentum of the same weight in a compact or solid body. The cage top was merely covered with a 3-in. Manuel plank. I may conclude by observing, with regret, the fearful accident, quoted in the same paper, of seven poor fellows being destroyed in Flintahire, by the breaking of the rope, which, doubtless, would not have terminated fatally had Mesars. Fourdrinler's valuable invention been in use there.

COALS FOR THE STEAM NAVY.

We have received the second report on this interesting and important subject, by Sir Henry De la Beche, C.B., F.R.S., and Dr. Lyon Playfair. F.R.S., just presented to both Houses of Parliament. These reports em-body the results of a long series of experiments, made at the request of the Lords of the Admiralty, at the laboratory of the Museum of Econ Geology, on a large number of specimens of coal from all parts of the kingdom, and on some foreign coal, on some manufactured fuels, and on coke. The main points of inquiry have been-the evaporative value of the fuel, its mechanical structure, bulk or space occupied in stowage, and the chemical construction of the fuels experimented on. We are informed in the report that each coal was subjected to experiment for three successive days, the draught being differently arranged for each day; by these means it became easy to ascertain when the gases escaping from the coals were most economically consumed. The mean of the three days gives more correctly the average evaporative value in steam vessels, where the exact draught depends in a great measure on circumstances over which the engineer has little control. The coals most liable to be influenced by different adjustments for the admission of air are those which, from their bituminous characters, are most apt to generate a large quantity of gaseous products on the first application of heat, such as those from the Northumberland, Durham, and Lancashire coal-fields; and these, under different areas for the admission of air, vary much more than with the less bituminous kinds of the South Wales field; and in the highly gas-giving coals, as the Cannell coal of Wigan, it was found necessary to admit air behind the bridge, to complete the combustion of the escaping gases. In experiments, to ascertain how far mixtures of anthracite with bituminous coals were likely to prove advantageous in the manufacture of artificial fuel, the apparatus patented by Mr. Warlich, and now used in the dockyards, was placed at their disposal, and the various mixtures were tried under the boiler. It was, however, ascertained that the advantages of those additions was not such as to recommend their adoption. The coals on which experiments were made unconsumed after the coking ovens, was so much more combustible than the dense and difficulty burning anthracite; that the latter remained unconsumed after the combustion of the former, accumulating on the bars in a state of powder, obstructing the draught, or falling through the grate and escaping combustion. The coals on which experiments made at the dif the fuel, its mechanical structure, bulk or space occupied in stowage, and the chemical construction of the fuels experimented on. We are informed

relative values:		 	-		•		
Names of coals.	Space occu	Weight					r evapor
	by a ton	cubic fo					cubic fi
WALES.	Cubic fee	Lb3.			Lbs.		
Thomas's Merthyr	42.26	 53:0			10.10	 	939.48
Nixon's Morthyr	43.32	 51.7			9.96	 	514.93
Gadley, 9-feet sear		 54'8			9.56	 	523.88
Neath Abbey	37-77	 59.3			9.38	 	556.33
LANCASHIBI							
Balcarras Arley		50.9					445-91
Blackley Hurst	46.66	 48'0					422.88
Blackbrook Rushy	Park 40:50	 55-3			8.02	 	443.50
Laffak Rushy Parl		 52-6			7.98	 	419.74
NEWCASTLE		80.1			0.90		489-21
Andrew's House Ta							
Newcastle Hartley							415:61
Hedley's Hartley							424.33
Hasting's Hartley	46.18	 48.5	****	*****			376'84

From this table, the twelve descriptions of coal which we select as a specimen, it will be seen that the South Wales coal-field produces the best steam coal. It will also be seen that the coal, 1 lb. of which evaporates steam coal. It will also be seen that the coal, I lb. of which evaporates the most water, is not, as a matter of coarse, the most economical. For instance, I lb. of Thomas's Merthyr evaporates 10·16 lbs. of water, but a cubic foot, weighing only 53·0 lbs. evaporates 538·48 lbs.; while the Neath Abbey, although I lb. evaporates only 9·38 lbs. of water, a cubic foot weighs 59·3 lbs. and evaporates only 9·38 lbs. of water, a cubic foot weighs 59·3 lbs. and evaporates 556·23 lbs.; consequently, in evaporating powers, in proportion to stowage, it is the most economical. The same calculations can be made with the others. The following are the chemical constituents of these twelve descriptions of coal:—

Name of Coal.	Specifi	Carbon	Hydro		Nitro	Sulphu	r.	Oxyge	m.	Ash.
Thomas's Merthyr	1.30	 90.13	 4.33		1.00					1.68
Nixon's Merthyr		 90.27	 4-12		0.63	 1:20		2.23		1.25
Gadley, 9-feet seam	1:33	 86.18	4:31		1.09	 0.87		3.31		- 5:34
Neath Abbey	1.31	 89.04	 5.05		1.07	 1.60				3:55
LANCASHIRE.										
Balcarras Arley	1.26	 83.24	5-24		0.98	 1:05		5'87		3.32
Blackley Hurst	1.26	 82 01	 5:55		1.68	 1:43	0.0	5:28		4:05
Blackbrook Rushy Park	1.27	 81:16	 5.99		1.35	 1.63	4.0	7.20		2.68
Laffak Rushy Purk	1.35	 80-47	 5-72		1.27	 1.39		8.33		2.83
NEWCASTLE.										
Andrew's House Tanfiel	d 1.26	 85.58	 5.31		1.26	 1.32		4:39		2-14
Newcastle Hartley	1.29	 81.81	 5.20		1.28	 1.69		2.58		7:14
Hedley's Hartley	1.31	 80'26	 5.28		1.16	 1.78		2:40		9-12
Hasting's Hartley	1-25	 82.24	 5.42		1.61	 1.35		6.44		2.94
A Abind nement and	11 1.	 Links	in day	2		 	3	-0 4		

A third report will be published, including the remainder of the coals thought necessary to examine; the investigations will continue to be constituted, as before, under the superintendence of Messrs. De la Beche and Playfair, the actual experiments being entrusted to Mr. J. Arthur Phillips. In an appendix to the report is given the details of each experiment during the three days, the situation, depth, local position and geological character of each colliery, with copies of the certificates of the owners, or agents, of the coals under notice, as to their genuineness. The whole forms a most interesting document to those connected with the coal districts, and most important to the Government and steam-ressel companies, as guiding them in their choice of a fuel, which, from practical experience, is known will prove the most safe and economical in all long voyages.

New Capital for Railways—A return obtained by Mr. Labouchere, M.P., shows that the gross total amount of new capital authorised to be raised for railway purposes by Acts of Parliament passed in the year 1848, was 15,034,1402.

—viz., 11,384,866!. by shares, and 3,649,274!. by loans. The total amount of the "transferred powers for subscriptions, or in lieu of loans in former acts," was 2,546,021l., making the total additional powers of raising capital obtained in 1848 amount to 17,580,161l. The amount of the share capital actually paid up on the 31st of December, 1848, was 165,085,78l. The total debt at the same period amounted to 43,664,480l. The total amount which, at the end of 1848, the various companies retained powers to raise, either by old or new shares, or by loans, was 143,71,773l. The total length of railway open for traffic, on the 31st of December, 1848, was 5126 miles. The length of lines in course of construction on the said 31st of December, 1848, was 2110 miles. The total length of line authorised, but not commenced, on the 31st of December, was 4795 miles, and the total length of railways for which the companies obtained powers previously to the 31st of December, 12,033 miles.

NORTH STAFFORDSHIRE RAILWAY.—It appears from the report of the di-

miles, and the total length of railways for which the companies obtained powers previously to the 31st of December, 12,033 miles.

North Staffordshire Railway.—It appears from the report of the directors, to be presented to the proprietors at the half-yearly meeting to be held on Monday next, that 61½ miles of the railway were opened in 1848, 11 miles from Stone to Colwich in May last, 8 miles from Congleton to Macclesfield on the 18th of June, and 27½ miles from North Rode to Uttoxeter on the 13th inst, and on the same day the Wellington branch 4½ miles—total length now open for traffic, 112½ miles. The original estimates have not been exceeded. So far from the competition of the railway having interfered with the receipts of the canal, the tomages have been increased, while the working expenses have been diminished. The result is, that the receipts being equal to the present charge of 78,000%, and that the future charge being 58,500%, there will remain a surplus equal to the interest upon the debenture debt of the company, leaving the whole net earnings of the railway available for dividend. The profits will admit of a dividend of 3s. per share. The directors have entered into a contract for working the traffic; the expenses included are the working, repair, and replacement of the engines and carriages of every description, wages, stores, maintenance, and repair of workshops and of the necessary buildings and machmery. The directors have calculated that it will be advisable to lay aside annually a sum of 7000%, to meet the depreciation of way. They propose to furnish the shareholders with a monthly return of the traffic on the railway and canal. The capital account to the 304 hof June shows that 3,132,179%, has been received, and 2,936,900% expended, leaving a balance of 19,842%. After paying the interest on bords, and dividend on the canal shares, there remains a balance of net profits amounting to 25,113%.

IMPROVED VENTILATORS.

At cract of specification of Obed Biake, of the Thames Plate Glass Company, ing at 13, Southampton-street, Strand, for certain improvements in ventilating, or laters are or in, athps, vehicles, houses, or other buildings.—Enrolled July, 1649.]

This invention is exemplified by several sheets of drawings attached to the specification, and the following description is given by marine glue suitable framing of wood, strips of glass are securely fixed by marine glue suitable frame slides freely cification, and the following description is given thereof:-Into a or putty, and disposed at certain distances apart; another frame slides freely within this frame, and is likewise furnished with strips of glass fixed thereto as before-mentioned, strips of wood being securely fixed to the framing, for the purpose of guiding the sliding frame in its proper course; a portion of the bottom of this sliding frame is formed with a slanting edge, against which a wedge-shaped piece presses, the same being employed for raising and lowering it, for the purpose of covering or uncovering the ventilating spaces betwee the first above-mentioned strips of glass, which, when uncovered, are in a position to admit air to pass through, but by pushing a handle along a slot in the proper direction, the wedge-shaped piece before-mentioned, to which this handle is fixed, will cause the inner frame to be raised, so that the slips or strips of glass attached thereto will cover the openings or spaces between the strips attached to the outer frame, and thereby prevent the ingress or egress of air through the ventilator. It will appear obvious that by moving the wedge-shaped piece, which may be made to run on wheels sunk in the now rubbing surfaces, if preferred to any extent short of opening or

egress of air through the ventilator. It will appear obvious that by moving the wedge-shaped piece, which may be made to run on wheels sunk in the now rubbing surfaces, if preferred to any extent short of opening or closing the ventilator entirely, that the admission of air through it may be regulated, or, in other words, the spaces, or openings, between the ventilating strips or slips of glass may be contracted to the greatest nicety, springs being provided of greater or less strength, according to the thick-mess of the strips of glass for assisting the closing of the sliding frame; or this ventilator may be composed of wood, or metal, in which case the apertures required would be cut in the solid, the action in all other respects being the same. Instead of the style, or lower sash-bar, of a window being made solid, as is usually the case, according to my invention I form such part with a number of circular holes, which extend through the entire thickness of the style, and I cover the said holes on one side of the style with a perforated plate of sinc, or coarse wire gauze, and the other, or inner, side of the style I cover with fine wire gauze, upon which I fix a strip of metal or other suitable material, having holes formed therein of corresponding size to those in the style, and placed opposite thereto; and upon this strip of metal I place another and precisely similar strip of metal, which is capable of being slidden between guide pieces over the other, so as wholly, or partially, to cover, or uncover, the openings in the style, and in this manner I effect ventilation. The finger plates of a door are to be arranged in a similar manner to that lastly above-mentioned, and may likewise be made separately.

Another ventilator to be applied to ships, steam-boats, or other navigable vessels, or to windows of houses, or other buildings, or in or on vehicles, is thus constructed: In a casing of metal, or wood, strips or slips of plate or fining fast, the ends whereof have holes formed therein, are placed, into whi any convenient manner, to prevent the ventilator from rat-

the cylinder in any convenient manner, to prevent the ventilator from rattling or shaking.

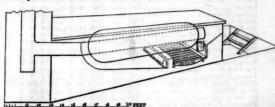
The operation of this ventilator is as follows:—The cylinder being pushed outwards by the handle, a stop being fixed thereto to prevent its being entirely forced out, after which one or other, or all of the slides, may be wholly or partially withdrawn from the openings which they cover, when the ventilator will be in a position to allow the external air to enter the ship's cabin, steerage, or hold, the quantity admitted being regulated by adjusting the slides to the required extent; or, if found more desirable, the openings may be covered with wire gauze, whereby the current of cold air will be infinitively divided—the slides being still employed to regulate the quantity admitted. I would also remark, that the ventilator may be made to slide inwards, instead of outwards, in which case it will only be necessary to place the glass at the opposite end of the cylinder; and to place the slides flush with the outside of the cylinder; and in this manner I form a ventilator, which is particularly applicable to ships. An arrangement is exhibited for the escape of vitiated air and vapours from the inside of railway carriages, and such other vehicles as have lamps placed therein, for the purpose of diffusing artificial light. To an ordinary roof lamp, as the vitiated air in the immediate vicinity of the lamp would become slightly rarefied by virtue of the heat from the flame of the lamp. I propose passing off the vitiated air and vapours in the following manner:—I surround the glass shade by a somewhat similar, but larger, glass, which, instead of being solid, or closed, at the underside, has an opening formed therein, and the said glass is attached to the underside of the roof of the carriage studs, are securely fixed the shoulders, or projecting parts whereof, support the glass in its proper position, and enable it to be readily removed and replaced when necessary; and I establish a communication between this glass and the extern thing or shaking.

The operation of this ventilator is as follows:—The cylinder being pushed

TRIBUTE TO SCHENCE.—Mr. Sturgeon, so well known for his scientific researches, particularly in electricity and magnetism, has been placed on the pension list by Lord J. Rusself for 50t, per annum. Mr. Sturgeon is said to be the discoverer of the soft iron electro-magnet; he has done much for the advance of science, and in electricity and its kindred branches he has discovered many new facts, which have been highly appreciated by the most eminent men in Europe. He has also written many elementary works on galvanism, magnetism, &c., conveying sound information, and easy to be understood.

CONSUMPTION OF SMOKE

In the Mining Journal of the 14th inst., we made some prominent remarks on the proceedings, in the House of Commons, relative to a Smoke Regulation Bill, which had emanated in the House of Lords, but which was so vaguely drawn up as to be quite incapable of being passed into a law. Notwithstanding our remarks were somewhat severe on the proposed law, whereby fines would be unjustly imposed, the common informer encouraged, and trade and manufactures most injuriously interfered with, we were perfectly aware that, with a proper mode of construction and with due care, the greater proportion of the black smoke nuisance might be avoided, and the owners of furnaces effect a very great saving in fuel. We have, during the past week, had an opportunity of inspecting an apparatus in operation at the steam-engine furnace of the wire-rope works of Messrs. Wilkins and Weatherly (licensees of Mr. Andrew Smith), High-street, Wapping, and was erected under the superintendence of the latter/gentleman. The plan under notice is on a principle which has been adopted by many engineers, in the endeavour to get rid of the development of "opaque," or black smoke, and render complete the combustion of the carbon and hydro-earbon gases, the distinctive features between them being in the mechanical arrangement of the details. The principle is the admitting atmospheric air in a finely-divided state immediately behind the bridge, where it comes in contact with the gases evolved from a fresh supply of coal laid on the incandescent fuel, in addition to that admitted through the ash pit and bars. Mr. Charles Wye Williams, in his patent, admitted it by perforated plates in the sides of the furnace behind the bridge; Mr. Joseph Williams also a perforated plate, but placed in the ash-pit beneath the furnace, immediately in the rear of the bridge. These are the two patents discussed at such extreme length in the Mining Journals of 1843 and 1844. Others have attempted to obtain the same results, by admitting the air in one larger orifice; but this of the plan:-



The results obtained appeared to be perfect; no smoke could be discovered while the fire was regularly burning, and but a slight rush of thin visible vapour on fresh firing. The additional expense to a furnace, when being constructed, is too trifling to be worthy of notice, being actually only two shillings; and the application to old furnaces, at an expense or only a few shillings, would not only get rid of the nuisance, but very soon more than pay its cost by the great saving in fuel, equal, at least probably, to 25 per cent. The engine at this establishment, of 6-horse power, is kept constantly at work by $2\frac{1}{2}$ cwts. of common slack coal, at from 8s. to 10s. per ton, or 1s. 6d. per day of 12 hours.

ANDREW SMITH'S IMPROVED STEAM GENERATOR.

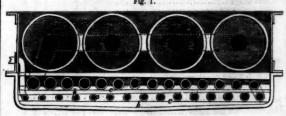


Fig. 2.

"My invention of improvements in apparatus for heating fluids and ge-erating steam, consists in a peculiar arrangement of tubes or pipes, to be nerating steam, consists in a peculiar arrangement of tubes or pipes, to be used as a continuous water chamber. These tubes or pipes are surrounded on all sides by a bath of fused metal, which, by communicating heat to the water in the tubes, converts it into steam. But, in order that my invention may be more readily understood, I have annexed unto these presents a drawing, in which fig. 1 represents a section, and fig. 2 a plan view of my apparatus; a a, a, a a, a the pipes or tubes forming the water chamber, and surrounded by a metallic bath, b b, b b, b occurred blue in the drawing. The pipes or tubes, a a, a are supported by rods or plates, c c c, which are merely placed between each row of tubes, and not attached to the sides of the apparatus. It may be as well here to observe that the tubes or pipes, a a, a, a are allowed to lie on the supporting rods, c c c, perrefectly free and unattached to any part of the apparatus, because, if they were fixed in an immovable position, the expansion and contraction to which they are subjected would be liable to destroy the joints; d d d, are steam chambers placed above the water tubes, and are in communication with them, and supplied with steam by means of the short pipe, c, shown by dots in fig. 1 of the drawing. It will be seen, by reference to the drawing, that the water chambers gradually increase in size, beginning at the left hand end of the lower row of tubes, that being the place where the water is supplied, until they arrive at the same end of the upper row. I sometimes construct the apparatus with three rows of water tubes or pipes, and in that case I make the lower row, or that at which the water is sup-

plied, all of the same diameter, and the next row above a size larger, and the row above that larger still, so that instead of each separate tube being of an increased diameter, I increase the size of the whole row. I wish it to be understood that I do not confine myself to any precise number of tubes, or rows of tubes, to be used as water chambers, as it is evident that number may be varied according to circumstances. And I do not claim the heating of fluids, or converting water into steam by means of a metallic bath, as that has been done before; but what I claim as my invention is the peculiar arrangement of tubes or pipes as a continuous water chamber, herein set forth and described, such pipes or tubes increasing in diameter separately, or in rows, or series, as they approach the steam chambers."

The great advantages of this steam generator are based on the chemical principle that a bath of fusible metal absorbs heat 32 times quicker than water, the consequence being that the tube, of whatever length, being immersed in molten metals at a temperature of 500° Fah., is kept continually filled with high-pressure steam, constantly available for giving sut its power; and the small quantity of water requisite for keeping up the supply is furnished without drawing to scarcely any perceptible extent on the powers of the engine. The saving of expense in fuel is very considerable; but its greatest advantage is in its adaptation for marine purposes, where it would take up only one-twentieth of the space of the present boiler, with a corresponding diminution in the weight, consequently leaving much room for additional goods, stowage, and freight, and in ships, of war, below the water line, and out of the reach of shot.

new Patents.

SPECIFICATIONS ENROLLED DURING THE PAST WEEK.

SPECIFICATIONS ENROLLED DURING THE PAST WEEK.

Specification of patent granted to William Boggett, St. Martin's-lane, Middlesex, manufacturer, for improvements in methods and machinery for obtaining and applying motive power.—1. Mr. Boggett describes and claims two several arrangements for propelling vessels by means of paddles, whereby the paddles are made to enter the water in an angular position, and to act during the most infoential part of each revolution, horizontally or in the direct line of the vessel's motion, and whereby also, the paddles are made to act altogether, or two, three, or more of them, at one and the same time, with the greatest useful effect of which each is capable.—2. A method is also described and claimed of restoring to compressed air, when employed as a motive power, the heat of which it has been deprived by such compression, and thereby increasing its expansive force. Mr. Boggett applies to this purpose the heat generated by the slacking of lime with water, or by the mixture of concentrated sulphuric acid with water, or simply that which is evolved from hot water; the compressed air boing passed through a cyfinder, inside of, or concentric with, one containing the re-heating element.

Specification of patent granted to Edward Slaughter, of Avonside Iron Works, Bristol, engineer, for improvements in marine steam-engines. The following improvements are embodied and claimed in the specification of this patent:—I. Connecting two or more cylinders to the propelling shafts of marine engines, for the purpose of propelling, and combining therewith an engine or engines to work the air-pumps and condensing apparatus.—2. Connecting more than three cylinders to the propeller shaft. The patentee proposes using as many as many as eight small instead of two large cylinders, and having four cranks upon the propeller shaft. As-2. Connecting more than three cylinders to ensure the state chest error as the control of the control o

employed in propelling the vessel.

Specification of patent granted to Charles De Bergue, Arthur-street West, London, engineer, for improvements in steam engines, in pumps, and in springs, for railway and other purposes. The first of these improvements consists in connecting the platon of beam engines to the beam without the intervention of a parallel motion. This is effected by directly attaching the beam to the piston by means of a knuckle joint, the connecting-rod working inside of a hollow piston-rod. A second improvement relates to pumps. The pump bucket instead of being made tight in the barrel by means of packing, is connected to the barrel by a water-inglit sack of India-rabber cloth, which prevents the escape of water between the bucket and the barrel. The valves are composed of a piece of leather, or caoutchoue, which rests upon the upper surface of the bucket, on the top of which there is superimposed a plate of metal, to which a definite range of lift is given by a stop pin, which it moves up and down. A third improvement consists in the application of the sack packing described its reference to the pump, to the construction of a compressed-air buffer spring, to prevent the escape of the compressed-air buffer spring, to prevent the escape of the compressed-sire but the proposite sides of a plate inserted into the buffer case.

Glaims.—The knuckle-joint connection for beam ouglues.—2. The arrangement described for the construction of pumps and buffer springs.

Specification of patent granted to Charles Henry Paris, of Paris, France, for improve ments in preventing the oxidation of iron. The articles to be protected are first cleaned by being dipped in dilute acid, then coated with gum, and dusted over with a powdered compound consisting of 19 parts glass, 20½ parts of carbonate ofsoës, 12 of boracic acid next subjected to heat of 112° to dry the gum; and when dried introduced into a fur nace, and brought to a heat sufficient to melt the glass upon their surface.

Claims.—1. The general arrangements described for coating articles of iron.—2. The

subjected to near of 1.

a, and brought to a heat sufficient to melt to a least sufficient to melt to a least sufficient to melt to a least sufficient to a least sufficient to a least sufficient suf

Specification of patent granted to William Henry Barlow, C.E., Derby, for improvements in the construction of permanent ways for railways. The first of these improvements consists in making the rails with a base of such breadth that they shall require no other basement than the ballasting. The cross section of one of these rails is somewhat of the form of an obtase triangle wanting the base; the broad spex in which it terminates at op forming the point of support to the wheels of the carriages. A second improvement consists in adding a thin bar or plate of iron to the side of railway bars or rails, so that it may overlap the junctions of the rails, and be held in it splace by the chairs. This arrangement is to make good the points of junction of the rails.

LIST OF PATENTS GRANTED DURING THE PAST WEEK

A. F. Rose, gentleman, Greenvale-place, Glasgow, for a certain improvement or certain provements in the process or operation of printing, and in the machinery or apparatus it, Todmorden, Laneaster, manager of the Waterside Works, for improvements in sy or apparatus for preparing cotton and other fibrous substances, parts of which ments are applicable to machinery used in weighings. ods, Barge-yard Chambers, Buckiersbury, for improvements in bleaching certain substances, and in the manufacture of certain products therefrom. (Being a

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

syton, Shuttheworth, and Co., Stamp End Works, Ilaneoin, portable corn-mill.

Liandley, Chandos-street, Strand, soil pan valve.

S. Gillett, Woburn-place, Russell-square, diaphragm to be used with microse Motte, 9, Southwark-square, Southwark, portunanteau.

J. Rummey, Church-letrace, Walworth, brooch protector and pin cap.

Bell, Basing-lane, tuese-cutting die.—Mechanics' Magazine.

Recipes.

[Continued from the Mining Journal of July 14.]

METALS.—Pewier—An alloy of tin and lead; or of tin, with antimony, bismuth, copper, c.—Tin 82 parts, lead 18 parts. If a larger proportion of lead than this is present, the owter will be acted on by even weak acetic acid.

owter will be acred on by even weak accute accusing the Trife.—Tin 93 parts, antimony 17 parts.

Plate Penter.—Tin 109 parts, antimony 8, bismuth 2, and copper 2.

Plate Penter.—Tin 109 parts, antimony, and bismuth—each an equal quant Britannia Metal.—No. 1: of tin, brass, antimony, and bismuth—each an equal quant Britannia Metal.—No. 2: Tin 62 parts, lead 18 parts, antimony 5 parts, brass 5 parts for the Metal.—No. 1: Bismuth 8 parts, lead 5 parts, tin 3 parts.

Fuse together.

No. 3: Bismuth 8 parts, lead 5 parts, tin 3 parts.

No. 4: Bismuth 8 parts, lead 5 parts, tin 3 parts.

No. 4: Bismuth 8 parts, lead 5 parts, tin 3 parts, mercury 1 part.

Fuse together.

NO. 4: Bismuth 8 parts, lead 6 parts, tiu 3 parts, mercury 1 part. Fuse fogether.

America La Gass.—The artificial imitation of many of the precious stones has been arried to a high degree of perfection. The basis of these artificial gems is a fusible glass, siled paste, or strass, which is coloured with different metallic oxides or sails.

Parts, or Revass.—Rock crystal, 6 ozs.; red lead, 9 ozs. 2 drams; pearlant, 3 ozs. 190 rains; boracle acid, 180 grains; arsenic, 5 grains. Mix, and fuse in a Heesian crucible cep it fused for 24 hours, then let it gradually col.

Amethyst, No. 1: Pasto 16 ozs., oxide of manganese 15 to 24 grains, oxide of cobalt 1 gr. use together.

Amethysis, No. 1: Paste 16 ors., oxide of manganess is to 22 grains, oxide of cobalt, 24 grains; purpled feasibles.

No. 2: Paste, 4608 grains; oxide of manganese, 36 grains; oxide of cobalt, 24 grains; purpled feasibles, 18 grains; protection of the copper set the mixture cool very slowly. Fuse title glass, and after the reduction of the copper set the mixture cool very slowly. The metallic copper will remain diffused through the glass in a crystalline form Reryl.—Paste, 3406 grains; glass of antimony, 24 gra.; codict of cobalt, 14 gr. Pusc. Chrysolite.—Paste, 38.; calcined peroxide of fron, 3 drachms. Fuse together. Red Cornelism.—Paste, 3 lbs.; glass of antimony, 1 lb.; calcined peroxide of iron, 202s.; cyclid of manganeses; i drachm. Fuse together.

White Cornelism.—Paste, 2 lbs.; calcined bones, 1 os.; washed yellow ochre, 2 drachms. Fuse together.

so together.

Diamond.—Peroxide of tin, fused at a very high heat.

Binerald.—No. 1: Paste, 5216 grains; acctate of copper, 72 grains; peroxide of iron,

Emeroid.—No. 1: Paste, \$716 grains; acctate, of copper, 7: grain. Fuse.
No. 2: Paste, \$0 cas.; oxide of copper, 39 gra.; oxide of chrome, 2 gra. Fuse together.
No. 2: Paste, \$27 grains; glass of antimony, 210 grains; oxide of antimony, grains. Fuse together.
No. 2: Paste, 512 grains; glass of antimony, 256 grains; purple of cassius, 2 grains; xide of manganese, 2 grains. Fuse together.
Opal.—No. 1: Paste, 10 lbs.; calcined bones, \$1b.
No. 2: Paste, 10 c.; horn silver, 10 grains; calcined bones, 96 grains; magnetic oxide of iron, 2 grains. Fuse together.
Raby.—No. 1: Paste, 5 cas.; oxide of manganese, 1 scruple.
No. 2: Paste, 16 cas.; purple of cassius, 168 grains; peroxide of fron, 168 grains; golden sulphuret of autimony, 168 grains; manganese calcined with mirre, 168 grains; rock crystal, 2 cas. Fuse together.

colden sulphuret of antimony, 186 grains; manganese catemon with naive, to sock crystal, 2 cas. Fuse together.

Sappyhire.—No. 1: Paste, 4608 gra.; exide of cobalt, 68 grs. Fuse together for 30 hot No 2: Paste, 8 cas.; exide of cobalt, 49 grains; exide of manganes, a few grains together.

Poper.—No. 1: Paste, 840 grains; glass of antimony, 36 grains; purple of cass crain. Fess together.

grain. Puse together. No. 2: Paste, 3456 grains; peroxide of iron 36 grains. Fuse logs

Original Correspondence.

ON THE MANUFACTURE OF IRON BAILS.

Sin,—The very numerous and loud complaints which we almost daily hear of the inferior quality of the rails that are now being used upon the

ON THE MANUFACTURE OF IRON BAILS.

Sira,—The very numerous and loud complaints which we almost daily hear of the inferior quality of the rails that are now being used upon the different railways in this kingdom, and the imputations cast upon the iron-masters on this account, requires from them some notice, as I feel they are not blameable to anything tilks the extent which is cast upon them. For the honour of the traile to which I belong, I have given the subject considerable attention; and, upon referring to the progress of railways from their commencement, and also the progress of the manufacture of railway bars during the same period, I find there are many palliating circumstances, which very much mitigate the amount of blame thrown upon the members of the iron trade. When railways fars commenced, the quality of the rails was considered of first importance. The very best material was used in their manufacture; nothing else was allowed to be used for the rails. The contract for the Leeds and Selby line was taken by Mesars. Walker, of Goppel Oak, who made the rails; they were tied to the use of the best make of pig-iron, the puddled, or No. 1, har was cut up, piled, and heated in the ball-farrance, shimpided into a bloom, and roiled into a good best har. Then it was cut up again, and rolled into the rail, without any mixture of interior iron—so that when the rail was finished it really was good best iron. The price paid was for best iron, and the railsey company got value received. I have this information upon the testimony of an eminent practical ironmater, who was called in by the maker to inspect the rails in the progress of their manufacture, so that he might satisfy the parties that the iron used was really what it was sold for—the price, I believe, was 18s. or 20a, per ton above beat bars.

What is the case now? Why, the very worst iron that can be made or purchased is now used in the manufacture of railway bars, instead of being 10s. or 20a, per ton above beat bars, in a subject they get best iron, whil

ANTHRACITE IRON.

ANTHRACTTE IRON.

Sib.—Your correspondent, "Carbon," in your Journal of the 7th inst., states, "that the small furnace at the Gwendraeth Works had lately produced 102 tons of pig-iron in one week, has since been working very badly." Being interested in the rise of anthracite coal, and as that fuel—"most inferior," according to "Carbon's" account—is the only fuel employed there, I made inquiries as to the truth of his report; and now beg to state, that 418 tons of best quality forge pigs were cast from that small furnace during the month ending the 14th inst.—or, in other words, that the weekly make for the month was 103\frac{1}{2}, 104, 105, 105\frac{3}{4} = 418 tons, being nearly as much as any two anthracite fernaces have made in one month. Carmarthen, July 20.

"Fiat Justitia, Ruat Collum."

COPPER SHEATHING.

COPPER SHEATHING.

Sin,—The opinion of "T. H. S." coincides with mine, repeatedly expressed, that mere laboratory experiments will hardly produce satisfactory results for the furnace, even when assisted by private information on the points of doubt or difficulty—such information being often conflicting, or even contradictory. On this account it was that general discussion seemed to me so desirable, of which, however, there appears little prospect; but I will, at "T. H. S.'s" request, send you my system of questions, in the hope that his answers, at least, will be communicated in your columns. The questions refer to Mr. Virian's description as an epoch in smelting, and embrace the changes of operations and results which have taken place in the process before and since that epoch. They will, therefore, be much clearer, and more concise, if you will first reprint Mr. Virian's paper, which is not too long, and would be particularly interesting now that such varied efforts are making to improve the process (you will find it in the Philosophical Magazine, 1923, vol. 5, p. 113), and it can botray no secrets—being not only repeatedly copied in our own language, but translated, and in the hands of, probably, every mining and metallurgic school in Europe.—J. Prideaux: July 26.

[Mr. Vivian's paper shall be published in our next week's Journal.]

[Mr. Vivian's paper shall be published in our next week's Journal.]

QUERIES IN SMELTING.

SIR,—I may, in reply to Chevalier Radlinski, state that I am not aware of the nature of Hornblower's process, but that I have given full information on the smelting of argentiferous galenas in the earlier part of my series of papers on the "Metallurgical Treatment of Ores," published in the Missing Journal.—John Mitchell: Hawley-read, July 23.

IMPROVEMENTS IN COPPER SMELTING—ABSTRACT OF SPE-CIFICATION. STR.,—Mr. Birkmyre, in his letter of the 19th inst., states the saving in the working of poor ores by the patent in which I am interested is, at least, 5t, per SIR,—Mr. Birkmyre, in his letter of the 19th inst., states the saving in the working of poor ores by the patent in which I am interested is, at least, 5/, per ton of copper. I feel convinced, however, that 10/, is nearer the mark, and, in some cases, even more. In reply to Mr. Campin, I can well aver that it is a difficulty, if not an impossibility, to minutely report a specification from the causes that gentleman mentions, and in my letter I did not in the least blame him, but merely stated a fact which he himself admits—viz.: that the abstract did not contain full details, and it was by the omission of some of the more important points that the abstract was likely to convey an erroneous idea of the process. The latter portion of Mr. Campin's letter contains a strange protest. When a patentee sees in a public journal an abstract of his specification, and finds it incorrect, it appears to me that he is the only party whose duty it is to call attention to it, and he would be doing a great injustice to himself did he not do so; but in doing this, he does not necessarily throw blame on the reporter, for it is impossible to suppose that any party furnished with imperfect means to acomplish an end, can produce a parfect result. Hence the blame is thrown on the lack of means, and not on the ability of the reporter; but still the evil of the incorrect abstract remains, and it is only the patentee who can correct it. I perfectly agree with the remark in your "Notices to Correspondents," that is is the best plan for the patentee himself to give the necessary information.—Jour Mitchell: Handey-road, Jely 25.

INDIAN COBALT.

INDIAN COBALT.

Sin,—This ore of cobalt is a subsulphuret of cobalt, and is found in the state of Syepoore, in the hilly districts of Rajpootanah, where it is accompanied by sulphuret of copper, sulphate of copper, and alum, and it is in the working of the copper ore it is found. It has been analysed by J. Middleton, Esq., F.G.S., Principal of the Hon, East India Company's College at Agra. He states "that it is found in the primitive schist in the form of bands and disseminated grains, the colour of which is steel grey, inclining to yellow. The grains appear to be crystallised, and are probably the cube and its derivatives. What is particularly remarkable in this ore is its purity, so far surpassing, in this respect, any that, so far as I am aware, is to be met with anywhere else. The only substance in combination with it, after separation of the matrix, is an iron pyrites, which is, however, but mechanically mixed, and so highly magnetic as to be readily removable by the magnet." The following is the analysis:—Cobalt, 64-64; sulphur, 35-36 = 100-00. This, of course, represents the composition of the purfectly pure mineral; its specific gravity is 5-45. Whilst on the subject of cobalt, I may mention that the method of treating cobalt ores, and the manufacture of smalts, &c., has been already described in your Journal, in the "Metallurgical Treatment of Ores."—John Mitchell.

Ventilation of Mines.

VENTILATION OF MINES.

VENTILATION OF MINES.

Sin,—It is so much easier to offer opinious than to sustain them by fair arguments, and to suggest plans than to prove their practicability, that I have some hesitation in giving utterance to my thoughts. There has always appeared to me to be a great defect in the ordinary processes for the ventilation of mines, inasmuch that they have a tendency to promote that which they are ostensibly contrived to prevent. The systems at present employed, whether working mechanically, by means of rarefaction, or by a jet of steam, may all be considered as operating by exhaustion; foul air and gases being drawn out at one part of a mine, causing the ingress of a corresponding quantity of pure air at another; whilst the circulation of the latter is effected by the opening and shutting of trap-doors and contrivances of a like kind.

That the means thus described fail in accomplishing the desired object, is sufficiently attested by the frequency of accidents. Whatever be the causes of these accidents, whether arising from original defects in the ventilating arrangements, from negligence of the workmen, or from a combination of fortuitous circumstances which no foresight can guard against, and no vigilance prevent—ecrtain it is, that in number and extent, as respects the destruction of life, these calamities have lately very greatly increased. So long as the exhausting system of ventilation is pursued, I believe that accidents in mines will be common; increasing both in frequency and in magnitude, in proportion as mining operations are extended. How can it be otherwise? What can more effectually cause the escape of inflammable and other gases from the workings, than a diminution of presence?

and in magnitude, in proportion as imming operations are excluded. The can it be otherwise? What can more effectually cause the escape of infiammable and other gases from the workings, than a diminution of pressure? The more active the ventilating process, or, in other words, the nearer, as at present constituted, it approaches perfection, the greater is the quantity of gas evolved, the greater the danger in working the mine, and the greater the cost of maintaining it in a workable condition.

Reverse the process—let the ventilation be one of propulsion instead of exhaustion. Force air into a mine, not draw it out, and then there will be not only effective ventilation, but perfect security, comparative comfort, and a greater amount of physical energy, enjoyed by the workmen. Let the density of the atmosphere of a mine be plus instead of minus, as compared with that at the surface of the earth, and there will be no need of Davy's, and, under ordinary circumstances, no risk in using candles. In such a case the quantity of gases evolved would probably not amount to a third part of what it is at present, and the cost of the propulsive process would, therefore, not be so great as might be apprehended. But if it could be shown that it would be more economical than the exhausting process, would that recommend it? Wait a little—let us see if any one will affirm the principle of propulsion?—O. N.: Black Rock, July 23.

ON EXPLOSIONS IN COLLIERIES.

would that recommend ut? What a little—let us so it may one with amine the principle of propulsion?—O. N.: Black Rock, July 23.

ON EXPLOSIONS IN COLLIERIES.

Sir,—In consequence of the many lamentable catastrophes which have lately occurred in the collieries of this country, and in the absence of any means hitherto devised to prevent such an enormous destruction of human life, I have been induced, from feelings of humanity, to visit the mining a plan of my own, upon a principle neer yet attempted, and which I have some reason to hope will prove to be the long-desired desideratum. With a view to ameliorate the sufferings of the working miners, as well as to promote the interests of the coalowners themselves, I have ventured to address the light a view to ameliorate the sufferings of the working miners, as well as to promote the interests of the coalowners themselves, I have ventured to address the light lun. the Secretary of State upon this all-important subject, and to whom I have forwarded a scheme, with Government some improvement at least might be suggested, I am andous, through the medium of your widely-circulated Journal, to give the outline of my supposed remedy, as far as I have yel had time to elucidate my ideas respecting it, and I am fully aware that, by such means of publicity, the most scientific men in England and elsowhere will have an opportunity of judging as to the consistency, or otherwise, of my suggestions; and should tory full, it may give rise to improvement. It appears, by undoubted authority, that carburetted hydrogen is the only inflammable convergence in the suggested of the convergence of the

vate beyond the present footway, so as to form a cell—the measurement of which to be hereafter determined; the roof to be carried up beyond the loved of the top of such draft-way—for instance, in the form of an umbrella—and the bottom to be carried below the level of the "thill," like an umbrella inverted. This cell to be divided gindway, if practicable, and bricked up again in front; but an aperture to be left the wild the of the drift, in a line with the present roof, so as to catch the floating hydrogen riding upon the atmospheric air in its course, and a similar aperture in a line with the "thill" to the well be neath to catch the pure air, and become lodged in the trap thas prepared for their reception; whilst the atmospheric air thus cleaned, and coming in contact with the wall between these apertures, will pass on to the adjoining drift. Propose that a similar cell be made at the north end of another driftway, in which the current of air is proposal for on the south, to catch whether interesting contract the first, or become subtheir reception; whilst the amospheric air thus cleanedt, and coming it coming it coming the wall between these apertures, will pass on to the adjoining drift. I propose that similar cell be made at the north end of another driftway, in which the current of air is propoled from the south, to catch whetever impurities ecaped the first, or become subsequently engendered, and so to repeat these foul air cells wherever needed for a similar purpose. Thus, instead of foul vapours lodging in the present "swilleys," or undulations, in quantities to produce danger, artificial "swilleys," should be made for them, by which means the air would become purified, increased in quantity, as I will show, and the danger removed, as no light need ever approach these cells.

If, then, these two dangerous slaments can be detached at intervals of space, stopped in their course, and safely removed, as I will presently prove, it is quite clear that such portion, at least, as becomes thus entapped, cannot mingle with other boldes of a similar nature engendered in an adjoining drift, so as to accumulate in quantities to over-target the simespheric air, and thereby endanger the lives of the workmen and jeognaties the property. In devising the means of removing these—in fact, all foul air —I confidently anticipate other good results—viz: an increase of current, and a more equal distribution of it.

In forming these cells, as I have endesyoursed to illustrate in the diagram, &c., al-

ourse should be divided (say) into six parts, or into thirds, or main drift, north and south, by placing a feel ag cell is practicable to the main libe—for instance, in a "boardway, and now separated by a stopping only, so that it would be a

luded to, the air comes should be divided (say) into six parts, or into thirds, cast and west of the centre, or main drift, north and south, by placing a foul air cell lacing the draft, as nearly as practicable to the main line—for instance, in a "boardway," adjoining the centre line, and now separated by a stopping only, so that it would be accessible from the former by means of a pipe.

These foul air cells to be connected with one main, to be fixed in the side of the centre rolley way, in order to guard against damage by the falling in of the roof, or rising of site thill, the branch pipes to the foul air cells to be fixed with stop-cocks similar to gas fittings—so that few or many of them could be acted upon at one time. The upper branch to communicate with the highest point of each cell for the removal of hydrogen and other light bodies; and the lower branch, to the lowest point of the cells, for carbon, &c., either of which dangerous elements, by means of an air-pump, could, I apprehend, be removed at pleasure by the up shaft, without passing the furnace, regulated, as I before said, with stop cocks. I beg now for call your attention to the fact, that there are numerous powerful engines of this description, which were constructed for the purpose of exhausting the air from the immense tubes upon atmospheric rallways, now abandoned, which might be usefully worked for this purpose.

One engine, employed at Friar's Goose Pit, near Gatesbead, for pumping water, expels the enormous quantity of 1170 gallons per minute, or 1,44,500 gallons per day; therefore, if an air-pump, were to est similarly, the current of pure air at the downsat shaft would be increased accordingly—thus accomplishing all that has hitherto been attempted, with this important addition, that with fittings constructed and applied as I suggest, all impurities must be removed before any pure air is taken out.

Having thus far endoavoured to clucidate my ideas, with a view to the prevention of these molancholy events, as regards the lives of the

ON PYROGEN.-No. XIII.

BY JOHN JOSEPH LAKE, ROYAL LABORATORY, GOSPORT.

With respect to induction generally, it is a property of pyrogen that is too well established by experiment to need support or to be controvered. But there are phenomena for which it does not satisfactorily account—for instance, the positive state of the higher strata of the atmosphere, and the rectangular force that produces the spiral motion of the fluid when passing along a wire—the latter of which it has already been shown cannot be explained on the hypothesis of two fluids (Paper IV, Mining Journal, May 5, p. 211). By induction, the walls of a room can maintain the fluid on the surface of a sphere, or cause electrified slips of paper to diverge; but there are no walls round our globe to produce a similar effect upon it; although the heavanly bodies may, and no doubt do, exercise much influence upon the electric state of the earth; yet they cannot do so to the same extent, nor in the same degree, as the walls of a room on a sphere, on account of their great and unequal distances from us. As regards the rectangular force? that produces the spiral motion of the fluid along a wire, although the walls of a room might, probably, by induction produce; the spiral motion of the fluid along a wire, although the walls of a room might, probably, by induction produce; the spiral motion of the fluid, and by induction cause it to pass along the underside of the wire with a motion parallel to it. This is not, however, the case. If the particles of pyrogen did not exert a repulsive influence upon each other, there could not be such a thing as induction—like very existence being dependent upon that influence. It is owing to this repulsive force between upon the such as the product of the coating exist the glass, or, ruther, on the jair itself. The explusion of the did from the outer coating would be an impossibility but for the existence of this repulsive force between the particles. The development of this law, which acuses the particles of the fluid to seek by every means to disperse injection of the coating the particles With respect to induction generally, it is a property of pyrogen that is oo well established by experiment to need support or to be controverted. But there are phenomena for which it does not satisfactorily account-for instance, the positive state of the higher strata of the atmosphere, and the

quantum of fluil. The air at a certain height thus becomes much saturated with fluid; and this finds much difficulty in rising higher, on account of the dryness of the strata above, which acts as just stated, in the same way as the glass of a Leyden jar. The fluid thus collecting, causes an inductive influence upon the earth, which at length begins to attract it; and, bringing it down to the level of the clouds, these become charged, and their volume increased by the ascending vapours, which also partake of the surplus fluid in them. In this manner, the clouds go on collecting and descending, until they afford a sufficient means of conduction to allow the fluid to escape to the earth. This idea of the origin of thunder clouds, partially arose from the author having, on several occasions, obtained a side view of a thunderstorm, and in every instance he observed what appeared to be something of the kind taking place; for out of the level of the chief stratum of cloud pillars, as it were, arose which seemed to connect it with the higher strata of the air, and serve the purpose of lightning conductors, to draw off the fluid from them to the clouds below, whence it was discharged to the earth.

* Was discharged to the earth.

* The violence and direction of this force is illustrated by Frot. Grove's experisonered to in the Mining Jameick, March 19, page 112.

† See No. II. of these papers, Mining Journal, April 14, page 183.

VALUABLE SILVER-LEAD MINE FOR SALE .-TO BE SOLD, BY AUCTION, at the Angel Inn, HELSTON, in the county of thwALL, on Wednesday, the 22d day of August next, by Three o'clock in the atterna, all that valuable SILVEE-LEAD and COPPER MINE, called

WHEAL ROSE.

in the parish of SPTHNEY, in the said county of CORNWALL, together with the MA-CHINERY, HALVANS, and MATERIALS thereunto belonging. KEEY, HALVANS, and MATERIALS thereunto belonging.

heal Rese Mine is held under a lease for 21 years (of which term nuwards of 15 years
in unexpired), under 1-18th dues, but no dues are payable to the lessor until all
and other expenses in and about the working of the said mine, from the commenceshall have been repaid by the produces thereof to the adventurers.

sett is nearly a mile in length on the course of the lodes, and about half a mile in
th, and has produced many thousand pounds worth of the richest aliver-lead ore,
ging about £20 per ton.

is sett is nearly a mile in lengus on the set is nearly a mile in lengus on the set is nearly and has produced many thousand pounds worth of the recessary aging abest 250 per ton.

Is mine (which affords a good opportunity for the investment of a small capital) is a size and the public, as some of the present adventurers are unable to contribute their ortions of costs towards an extended working of the adventure.

The adventure of the product instructions to give every information at the mine, and to accomplished instructions to give every information at the mine, and to accomplished instructions to give every information at the mine, and to accomplish the set of the set of

agents have received instructions to give every information at the mine, and to ac ny all parties who may wish to inspect the workings; and for farther particular-ation may be made to T. J. Hill, Esq., 92, Threadneodie-street, London; or to the , Mr. Piomer, Heiston, Coruwali.—Dated July 23, 1849.

VALUABLE AND EXTENSIVE MINES OF COAL
TO BE LET, ON LEASE, on most advantageous terms, the COAL and IRONSTONE
under a very large tract of land, in the parish of RUABON in the county of DENBIGH,
adjoining the Shrewsbury and Chester Railway.
The proprietors of the ESTATES on which the Ponkey and Aberderlyn Iron-Works
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very rarely to be met with.

The COALS and IRONSTONE on these ESTATES may be raised at very much fees than an average cost, and the quantity proved in them (besides what are under a very large partien of one of them, in which there is no doubt they will be found) is estimated will supply from-works with materials to make 400 tons of pig-iron weekly for upwards of 30 years, as well as 50,000 tons of the much and justly-celebrated Yard and Wall and Bench Coals per annum for sale, for the same period.

Printed particulars of the property, and lithographed plans of the estates, showing the minerals under them, with calculations as to the expense of making iron from them, as compared with that of manufacturing it in Staffordshire, may be had upon application at the office of the Mining Journal, 26, Fleet-street; and at J. Boydell's, 54, Threadneedle-treet, London; and at Messrs. Longeville and Williams, solicitors, Oswestry.

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COPPER, IRON, CHEMICAL, and other MANUFACTURING COMPANIES TO BE LET, ON LEASE, for a term of years, as may be agreed on, a most extensive COAL-FIELD, of the first quality; a FARM, of 240 ACRES of GRASS LAND, with a good commodious DWELLING-HOUSE and attached OFFICES, WALLED GABDEN, STABLING for 50 or 60 horse, from 20 to 30 WORK-MEN'S COTTAGES and GARDENS, most eligible sites for the erection of Copper, Iron, Chemical, and other Manufactories, situate at Neath Abbey, in the county of Glamorgan, being close to the navigable liver Neath, and only 5 miles from Swansea.

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Several PATENT RIGHTS, FREEHOLD, ESTATES, LEASES OF FOUNDRY and ENGINEERING WORKS, FREESFONE QUARRY, and COAL and IRONSTONE MINES
SHARES in a well-known SLATE QUARRY, the PART, or the WHOLE, of a well-established GAS WORK, and STEAM-ENGINES and MACHINEY of all descriptions.

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TREBARVAH MINES, situate in the parish of PERRAN-UTBNOE, in the county of CORNWALL.

Consisting of 2048 shares

CONDUCTED UPON THE COST-BOOK PRINCIPLE.

The Treburah Mines are situated within two miles of Marazion, and the port from whence the produce will be shipped. They are also contiguous to the Great Wheal Neptune Mine, which formerly yielded monthly profits of from £ 1500 to £ 2000, and for many years was one of the most productive mines in Cornwall. The sett is very extensive, being fully a mile in length on the course of the lodes, by half a mile in width, and is held under leases for 21 years, at 1-18th duss.

There are several lodes in this sett, two of which only have been worked upon, running parallel to, and being distant about 70 fathoms from each other—the one to the north possessing the usual indications of rich copper lodes found in this district. Large quantities of tin have been already extracted from its back, and recent discoveries justify the conclusion that much more may be obtained at a comparative small outlay. This lode has been intersected at a depth of 22 fathoms from surface by an adit level driven in from the cliff, and extending about 80 fathoms on its course. A shaft has been sunk from surface 10 fathoms below this level, and a level driven cast on the course of the lode to meet a wince sunk 17 fathoms below the adit, 30 fathoms eats of the said shaft. In the course of these operations the lode from the adit level downwards increused in size and productiveness, and the quality of the ore improved.

The south lode is large and has yielded blende, mundic, and copper ore, the latter, according to the best mining authorities, will be found to improve both in quantity and quality, a few fathoms only below the present workings, and at a shallower depth west of the present ends, from the ground undergoing an entire change (just previously to the w.r.ks being suspended), the price for driving having been reduced from 71. 10s. to 22. 10s. per fathom, which is, from analogy in the district, highly indicative of the productiveness of the vein.

These lodes, as well as others traversing the sett, are intersected by three known sildes

per fathom, which is, from analogy in the district, mighty indicative of the period of the vein.

These lodes, as well as others traversing the sett, are intersected by three known slide and a cross-course, at intervals of from 33 to 60 fms.; the beneficial influence of which on mineral deposits is fully established by experience.

Up to August last year the prosecution of the works had incurred an outlay of about 10,0000.; when, notwithstanding that the returns of unineral were fast increasing, as nearly covered the current expenses of the undertaking, it was determined, by the holder who had paid up the calls made upon their respective shares, not to continue working alonger for the benefit of several shareholders who were defaulters to the extent of 1800 and who would not contribute their proportion of the cost towards bringing the mit into paying condition.

Is is now at ranged to resume operations with efficient machinery, and under a practic

nto paying condition.

Is is now arranged to resume operations with efficient machinery, and under a practical nanagement possessing the advantage of experience derived from the actual working of he mine. Upon a careful calculation, it is estimated that a 30-inch cylinder steam-engine will enable the workings to be carried down to a depth of 80 fms. below the adit level; and it is ascertained that copper ores can be raised at the low tribute of 5s. in the 11. as soon as the engine-shaft shall have been sunk to the 20 fm. level.

soon as the engine-shaft shall have been sunk to the 20 fm. level.

The capital for these purposes is proposed to be raised by the disposal of 1024 shares at 31. per share to be paid by instalments as follows:—

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MAKE TRIAL of Mr. BLEWITT'S REFINED IRON, or METAL, PREPARED by a NEW PATEN TPROCESS,
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WILLIAM BRUNTON, SEN., C.E., desires to call the atten-tion of COALMASTERS generally, and their AGENTS, to his METHOD of on of COALMASTERS generally, and their A RAREFACTION FOR THE 46

VENTILATION OF COLLIERIES.

It is effected by a machine of the most simple and integral character; has no valves or separate moving parts; has no attribute; and all the frietion is recolved into a foot pivot, moving in oil. When at rest, offera no impediment to the air ascending from the pit; is liable to no derangement, and very inexpensive. By this apparatus, which is driven by a steam-engine, or water-wheel, any degree of rarefaction necessary to ventilation is rendered certain, regular, under visible inspection, and perfect control, so that the current of air throng in a colliery may be greatly increased during the night, or any time the pit is not at work, and thereby prevent that stagnant and dangerous state of the air now so prevalent during suspension of work.

This machine also possesses the power whereby the atmosphere of a colliery can, in a quarter of an hour, be subjected to an exhaustion equal to half an inch of mercury; thereby powerfully drawing out the gas from the coal, and from the wastes and goaf ponds, during the absence of fire or light, and consequently of danger from explosion; and also the power of restoring the equilibrium, and clearing the colliery of fire-damp, before the men enter, by a more vigorous and energetic current of fresh air than has hitherto been attainable by the ordinary means of ventilation; and, by the repetition of this process any night the atmosphere of the colliery during the day would be in the same condition, as to efficie of such as the sum of these machines has been erected at Gelly Gaer Colliery, belonging to Thomas Powell, Esq. of the Gaer, near Newport, who, anaionaly solicious to diminsh, by all practical means, the risk of human life in our collieries, has kindly permitted Mr. Brunton to invite gentlemen to inspect the machine and its capability.

W. Brunton may be professionally consulted as to the above, or any other subject of Mechanical Kngineering, wherein he has had long and extensive experience.

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"In 1839, I superintended the construction of a house of three stories on the Yea Tenghein. The foundation of the building is constantly in water, about 194 inches below the level of the ground floor. The entire horizontal surface of the external and interval wails was covered at the level of the internal ground floor with a layer of SEYS-SEL ASPHALTE, less than half an inch thick, over which coarse sand was spread. Since the above date, no trace of damp has shown itself round the walls of the lower story, which are for the most part painted in oil, of a grey stone colour. It is well known that the least moisture produces round spots, darker or lighter, on walls so painted. Yet the parement of the floor, resting on the soil itself, is only about 24 in. above the external surface of the soil, and only 194 in, as the utmost, above that of the sheet of water. The layer of Asphalte having been broken and removed, for the purpose of inserting the sills of two doors, spots indisaging the presence of damp have been since remarked at the base of t

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This Guard Razor is made of the inest tempered steel, imparting a matchless smoothness and keenness to the edge, and the addition of the moveable Guard causes the Razor to glide with safety over the face, removing the beard without cutting the skin. The simplicity and safety of this invention is so complete, that the Guard Razor can be used by the blind, the short-sighted, the bedridden, and the paralised, with perfect super razor is warranted, and will be exchanged if imperfect.

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Prince Albert, begs to acquaint the public, that the massificature of his horoometers
watches, and clocks, is secured by three separate patents, respectively granted in 1866
1840, 1842, Silver lever watches, jewelled in four holes, 6 gs. ceach; in gold cases, om
£3 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. each.

DENTS PATENT DIPLIEDOSCOPE,
or Meridian Instrument, is now reach for Adjivery—Parmyblets containing a describility

or Meridian Instrument, is now ready for delivery.—Pamph and directions for its use is, each, but to customers gratis.

DUISBURG IRON-WORKS AND MINES,

N WESTPHALIA, CLOSE TO THE BRIVE.

Managed in England according to the principles of the "Cost-book System," and in

Prussia as a Société in Communative, under laws limiting the liability of the shareholders
to their personal subscription.

Company's Offices, 28, Moorgate-street, City.

Company's Offices, 26, Moorgato-street, City.

CTEAM TO INDIA AND CHINA, via EGYPT.—Regular
MONTHLY MAIL (steam conveyance) for PASSENGERS and LIGHT 600DS
to CEYLON, MADRAS. CALCUTTA, PENANG, SINGAPORE, and HONG-KONG,
THE PENINSULAR AND OBLENTAL SPEAM NAVIGATION COMPANY
BOOK PASSENGERS and RECEIVE GOODS and PARGELS for the ABOVE PORTS
by their steamors—starting from Southampton en the 30th of every month; and from
Sues on or about the 10th of the month.
BOMBAY.—Passengers for Bombay can proceed by this company's steamers, and from Suer
by the Honourable East India Company's steamers.
MEDITERRANEAN.—SALTA—On the 30th of every month. CONSTANTISOFIA.—On the 30th of the month.
SPAIN AND PORTUGAL.—Vigo, Oporto, Lisbon, Cadiz, and Gibraliar, on the 7th
17th, and 37th of the month.
For plans of the vessels, rates of passage-money, and to secure passages and ship cargo,
apply at the company's offices, No. 122, Leadenhall-street, London; and 57, High-street,
Southampton.

NINTH REPORT of the DIRECTORS of the COMMERCIAL BANK OF LONDON, for the year ending 30th June, 1849.

At an ANUAL GENERAL MEETING of the shareholders, held at the Bankinghouse, Lothbury, on Tuesday, the 24th of July, 1849.

DIRECTORS.

JOHN TAYLOR, Esq., Chairman.
THOMAS BARNEWALL, Esq., Deputy-Chairman.
Charles Dickson Archibald, Esq., Mandahan Hopkinson, Esq.
William Beresford, Esq., M.P.
William Sprott Boyd, Esq.
John Alfred Chowne, Esq.
Joseph Thompson, Esq.
Joseph Underwood, Esq.
Joseph Underwood, Esq., M.P.
Charles Hill, Esq.
Manager Manager Mr. Alfred R. Cutbill.
Solicitors—Mesars, Amory, Nolson, Travors, and Wynn; and Mesars. Norris and Sons.
The manager read the advertisement calling the meeting, and afterwards the follow.
The directors have again much satisfaction is manager.

The manager read the advertisement calling the meeting, and anist rotal to the ingreport from the directors:— REPORT.

The directors have again much satisfaction in meeting the proprietors, and in presenting to them their Ninth Annual Statement of the affairs of the bank. It will be seen by the annexed balance-sheet, that after writing off the bad and doubtful debts, and paying the charges and current expenses of the past year, the net profits amount to 212,077 [6s. 1d. Out of these profits a dividend, at the rate of 25 per cent. per annum for the half-year ending 31st Dec., 1848, has been already paid; and the directors have now to declare a dividend for the half-year ending 30th June, 1849, at the same rate, and, as hitherto, free from income tax.

After paying this dividend, and deducting the rebate of interest upon current bills, there will remain a balance of £3596 17s. 1d. to be added to the reserve fund, increasing that fund to £30,014 19s. 9d.

In compliance with the provisions of the Deed of Settlement, the following directors—viz., William Beresford, Eaq., M.P., John Alfred Chowne, Eaq., John Savage, Eaq., and Joseph Thompson, Eaq., retire from office, but, being eligible, offer themselves as candidates for re-election.

COMMERCIAL BANK OF LONDON—BALANCE-SHEET, Juwz 30, 1849.

COMMERCIAL BANK OF LONDON-BALANCE-SHEET, JUNE 30, 1849. Total £699,580 2 2

£12,077 16 1

Sompany.

Resolved unanimously,—That the thanks of the shareholders be presented to the chairman, Thomas Barnewall, Esq., and the other directors, for the great care and ability with which they have conducted the affairs of this bank.

Resolved unanimously,—That the thanks of the shareholders be also presented to Mr.

A. R. Cuibill, for his efficient services as manager.

(Signed) THOMAS BARNEWALL, Chairman.

OMMERCIAL BANK OF LONDON.—The directors hereby give Notice, that a DIVIDEND on the paid-up capital of this company, at the rate of 6 per cent. per annum, free from income tax, for the half-year ending the 30th June, 1849, will be PAYABLE at the Banking-house in Lothbury or and affer the 1st Augunext.—July 24, 1849.

By order of the board, A. S. CUTBILL, Managery

PATENT RAILWAY AND OTHER CARRIAGE AXLES,

PATENT RAILWAY AND OTHER CARRIAGE AXLES,

MANUSACTEARD BY THE

PATENT SHAFT AND AXLE-TREE COMPANY,

BRUNSWICK IRON-WORKS, WEDNESBURY, STAFFORDSHIRE.

The Judicial Committee of the Privy Council having declared that the AXLES John MADE BY THE PATENT SHAFT AND AXLE-TREE COMPANY had proved a PUBLIC BENEFIT in greatly conducing to the SAFETY of RAILWAY TRAYELLING, the exclusive right to manustacture has been extended for four years, on condition that the practice of charging a moderate price, proved hitherto to have been pursued, should be made imperative.

It was also proved that these Axles were in general use—upwards of 100,000 having been supplied to the English and Continental Railways, among whom are the London and North-Western, the Midland and creat Western that they had withstood frequently severe tests applied by the enders of the second of the second

exclusively.

The trial of the Patent Shaft Company's Iron is solicited in cases where the power to resist a great strain is of importance. Evidence can be afforded from several railway engineers, of great economy having resulted from its use, in preventing the breakage to which their coupling chains were frequently previously subjected, particularly on the Midland Railway, where the heavy mineral traffic subjects these chains to unusual strains. Iron manifectured on the pittent principle is also recommended for coach and carriage axies, for, if not afterwards injured by the coachsmith, all risk of breakage will be avoided.

BY HER MAJESTY'S ROYAL LETTERS PATENT. JOHN BROWN'S CONICAL BUFFER, BEARING, AND

